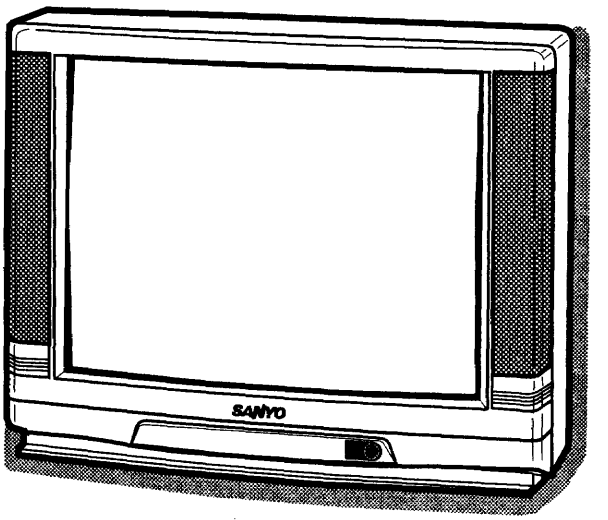
SANYO

# Colour Television

# Service Manual

## Model C28EH65NB (U.K.)

**Service Ref. No. C28EH65NB-00**
**Service Ref. No. C28EH65NB-01**
**Mascot No. 28DN1**
PRODUCT CODE: 1113 25302
ORIGINAL VERSION: Chassis No. EB4-A




## Model C25EG65NB (U.K.)

**Service Ref. No. C25EG65NB-00**
**Mascot No. 25DN1**
PRODUCT CODE: 1113 25402
ORIGINAL VERSION: Chassis No. EB4-A

## Model C21EF45NB (U.K.)

**Service Ref. No. C21EF45NB-00**
**Service Ref. No. C21EF45NB-01**
**Mascot No. 21DN1**
PRODUCT CODE: 1113 25502
ORIGINAL VERSION: Chassis No. EB4-A

Give complete "SERVICE REF. NO." for parts order or servicing, it is shown on the rating sheet on the cabinet back of the TV set.

Note
This TV receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specifications for the design specifications

**Common Specifications**

| | |
|---|---|
| Power source | AC 220~240V 50Hz |
| Television system | System I |
| Colour system | PAL |
| Receiving channel | UHF 21~69 |
| Aerial input impedance | 75ohm |
| AV terminal | |
| 21 Pin sockets | CENELEC standard |

**C28EH65NB Specifications**

| | |
|---|---|
| Sound output(Music) | 12 watts X2 |
| Picture tube | 70cm diagonal, 110 degree |
| (Visible picture diagonal) | 66cm |
| Dimensions (WxHxD) | 740 x 585 x 494mm |
| Weight | 31.6 Kg |

**C25EG65NB Specifications**

| | |
|---|---|
| Sound output(Music) | 12 watts X2 |
| Picture tube | 63cm diagonal, 110 degree |
| (Visible picture diagonal) | 59cm |
| Dimensions (WxHxD) | 680 x 535.5 x 449.5mm |
| Weight | 25.5 Kg |

**C21EF45NB Specifications**

| | |
|---|---|
| Sound output(Music) | 9 watts X2 |
| Picture tube | 55cm diagonal, 90 degree |
| (Visible picture diagonal) | 51cm |
| Dimensions (WxHxD) | 596 x 465.5 x 483mm |
| Weight | 21.5 Kg |

Part No. SKSM0147 F2WCV

# SAFETY PRECAUTION

1: An isolation transformer should be connected in the power line between the receiver and the AC line when a service is performed on the primary of the converter transformer of the set.
2: Comply with all caution and safety-related notes provided on the cabinet back, inside the cabinet, on the chassis or the picture tube.
3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, isolation resistor-capacitor networks etc.Before returning any television to the customer, the service technician must be sure that it is completely safe to operate without danger of electrical shock.

# X-RADIATION PRECAUTION

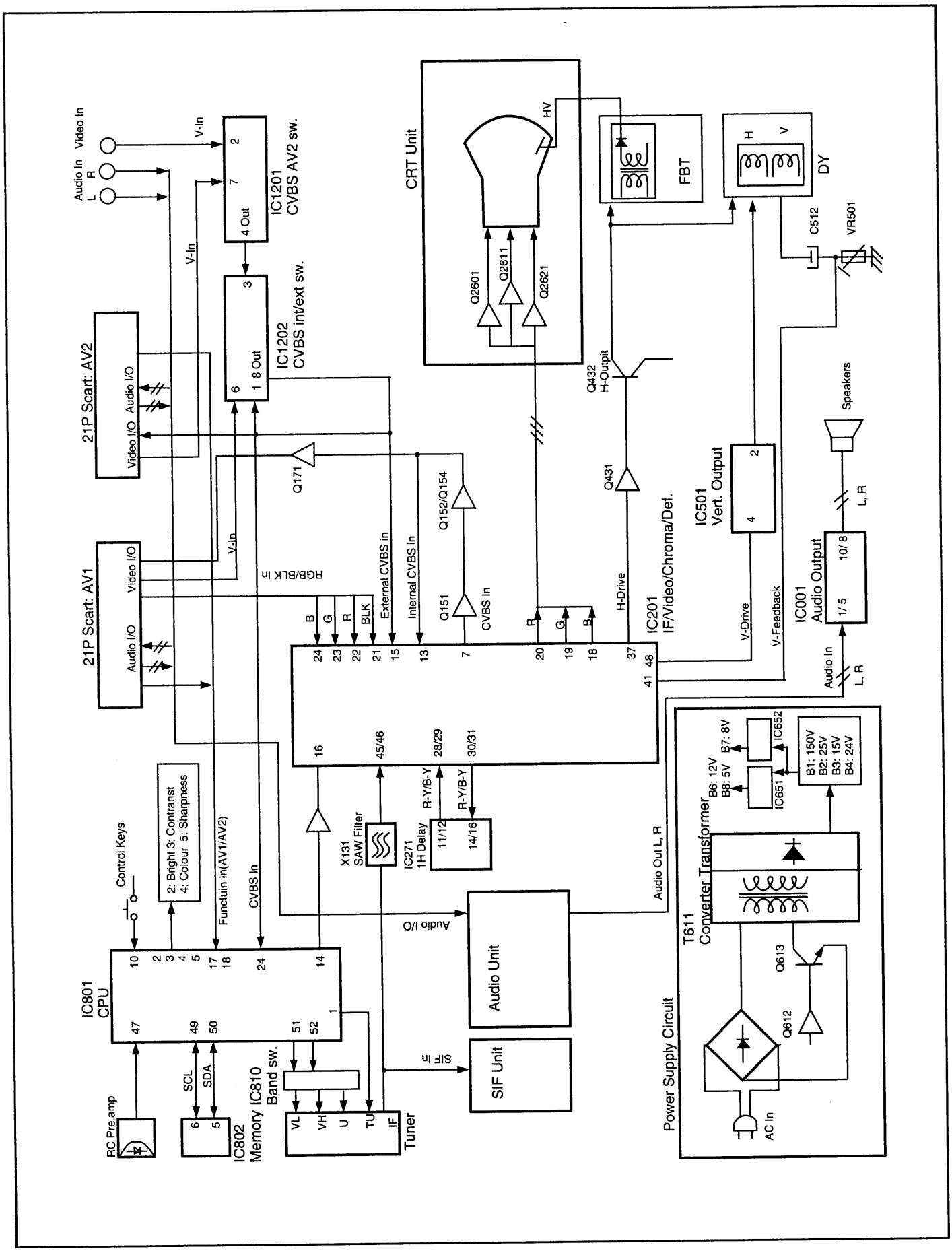
The primary source of X-RADIATION in the television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emissions. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X-RADIATION. To avoid such hazards, the high voltage must be maintained within specified limit. Refer to this service manual, high voltage adjustment for specific high voltage limit. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for +B1 volt power supply adjustment, and high voltage adjustment to maintain the high voltage within the specified limits.

# PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark /!\ in the parts list and the schematic diagram designate components in which safety can be of special significance. It is particularly recommended that only parts designated on the parts list in this manual be used for component replacement designated by mark /!\ . No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark /!\ .

# BLOCK DIAGRAM

This is a diagram for all models and therefore differs slightly from the actual block diagram.



# CIRCUIT DESCRIPTION

### 1. POWER SUPPLY

The power supply circuit of the EB4-A chassis is composed of a rectifier smoothing circuit, an oscillation circuit, a control circuit and an output rectifier circuit. The AC input voltage is full-wave rectified by the rectifier smoothing circuit, and an unstable DC voltage is generated at both terminals of the smoothing capacitor C607. This voltage is input to the oscillation circuit. The oscillation circuit is provided with a blocking oscillator circuit that switches the switching transistor Q613 ON and OFF, and an oscillation frequency and a duty square wave pulse are generated in the input windings according to operation of the control circuit. A square-wave pulse whose size is dependent on the turn ratio of the input and output windings is obtained in the output winding. This is rectified in the output rectifier circuit, and the desired DC voltage is obtained.

### 2. IF & DEFLECTION (TDA8361)

The IF output signal from the tuner passes through the SAW filter, and it is input to pin45 and pin46 of IC201. The signal input to the IC passes through the IF amplifier, video detection and video amplifier circuits and is output from pin7 as a composite video signal. And after this signal is converted to impedance at Q151, supplies to the video and chroma amplifier stages.

The sync.-separation circuit separates the video signals applied to pin13(internal video signal) or pin15(external video signal) to vertical- and horizontal-sync. signals respectively. The horizontal oscillator requires no external components and is fully integrated. The oscillator is always running when the start-pin36 is supplied with 8V. Horizontal drive signal is output from pin37. VR361 is for adjustment of the horizontal centring. The separated vertical-sync. signal from sync. separation circuit passes through the vertical-separation circuit, and applied to trigger divider circuit. The horizontal oscillation pulse and input vertical sync. pulse are monitored by the trigger divider circuit, and switching 50Hz and 60Hz system, the vertical amplitude automatically adjusted for 50Hz and 60Hz. The output signal from the trigger divider is triggered vertical oscillation circuit consisting of C351, R352 and pin42, and vertical drive pulse is output from pin43. VR501 is for changing the amount of AC feedback applied to pin41 and for adjustment of the vertical amplitude.

### 3. VIDEO CHROMA & R.G.B. (TDA8361)

The composite video signal output from the pin7 of IC101 passes through Q151-Q154, and it is supplied to pin13. The external video signal output from SCART is supplied to pin15. The video signal input to pin13 or pin15 is separated to luminance (Y) signal and chroma signal in IC201. These pins are used in common with H/V-sync. separation input. The peaking of Y signal is adjusted by DC voltage of pin14. ("SHARPNESS" control) The chroma signal is divided into R-Y and B-Y chroma signals, demodulated in IC201, and output from pin30 (R-Y) and pin31 (B-Y). These chroma signals pass through the 1H delay line circuit (IC271), and they are input to pin29 (R-Y) and pin28 (B-Y). These R-Y/B-Y signals pass through RGB matrix circuit and RGB selector circuit of IC101. The internal RGB signals are generated in RGB matrix circuit and the RGB selector, consisting linear amplifiers, clamps and selects either the internal RGB signals or the external RGB signals input from pin22(R), pin23(G), pin24(B). Selection is controlled by the voltage at the RGB switch control (pin21) and mixed RGB modes are possible since RGB switching is fast. The RGB switch also functions as a fast blanking pin by blanking the RGB output stages; here internal and external RGB signals are overruled. The colour gain is controlled by DC voltage of pin26. ("COLOUR" control) The contrast control voltage present at pin25, and the brightness control voltage present at pin17 controls DC level of RGB signals. The RGB signals are finally buffered before being available at the RGB output pins [pin20 (R), pin19 (G), pin18 (R)].

### 4. AUDIO OUTPUT(TDA7263M)

The audio signals output from the audio unit are input to pin1(L) and 5(R) of IC171 and passes through the pre-amplifier circuit and drive circuit, after which it is input to the audio amplifier. The audio amplifier is an SEPP (single-ended, push-pull) OTL type and output to pin8(R) and 10(L) to directly drive the speakers.

### 5. VERTICAL OUTPUT (LA7832/LA7832)

An IC (LA7832/LA7833) is used for the vertical output circuit in this chassis. The vertical drive pulse from pin43 of IC201 is input to pin4 of IC501. This pulse drives IC501, and vertical scanning is performed. In the first half of scanning a deflecting current is output from pin2 and passes through the following path:

Vcc(B4) → D501 → pin3 → pin2 → DY → C512 → VR501/R509. An electric charge is then stored in C512. In the last half of scanning the current path is C512 → DY → pin2 → pin1 → VR501/R509 → C512. In this way, an amplifying sawtooth waveform current flows directly to DY to perform electron beam defection. Next, in the first half of the banking period the vertical drive pulse suddenly becomes OFF, and in order to reduce the current flowing to DY, the current path becomes as follows by the inductance of DY:

DY → pin2 → pin1 → VR501/R509 → C512 → DY. Also, when the charge of DY has dissipated, the current path becomes Vcc24V → pin6 → pin7 → C502 → pin3 → pin2→ DY → C512 → VR501/R509, and when the prescribed current value is reached, the vertical drive pulse becomes ON. This completes one cycle.

## 6. HORIZONTAL OUTPUT

A horizontal oscillation signal is output from pin37 of IC201 and switches the drive transistor Q431. This switching signal is current amplified by the drive transformer T431 and drives the output transistor Q432. When Q432 becomes ON, an amplifying current flows directly to DY through C441 → DY → 0432 → GND, and defection is performed in the last half of the scanning period. Next, when Q432 becomes OFF, the charge that had been stored in DY up to that point releases a resonance current to the resonant capacitors C421/C423 and charges them. The current stored in C421/C423 is then flowed back to DY, and an opposite charge is then stored in DY. This opposite charge then switches the dumper diode in Q432 ON, the resonance state is completed, and an amplifying current is then flowed again directly to DY through the dumper diode. By this means, deflection in the first half of the scanning period is performed, and when Q432 becomes ON at the end of the first half of the scanning period, deflection during the last half is begun, thus completing one cycle.

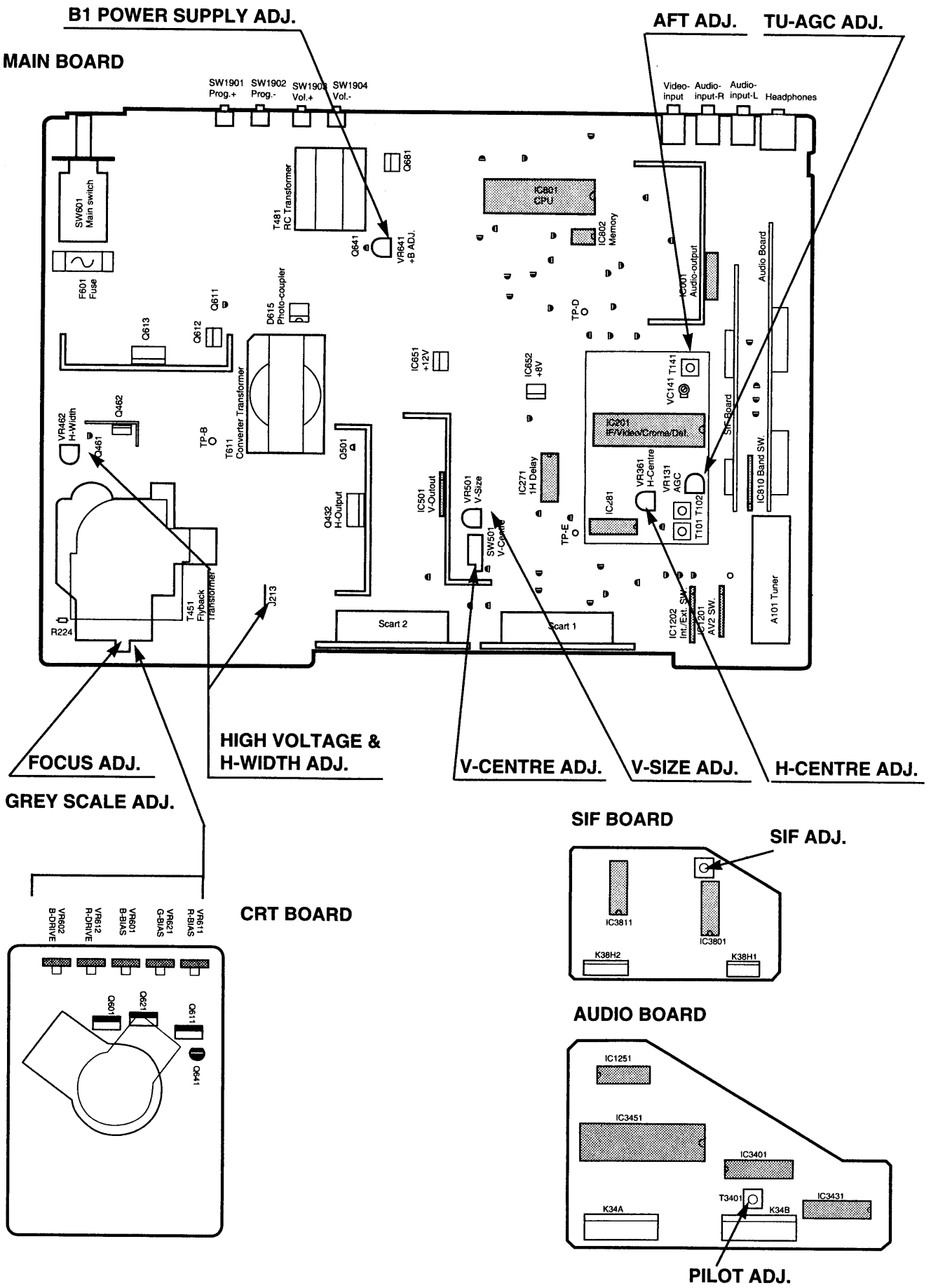
In the PCC circuit consisting of Q461 and Q462, the parabola signal supplied from the vertical circuit is added at the horizontal output stage and pincushion compensation is performed by varying the DC voltage bias. Further, the ABL voltage is feedback to the base of Q462 to compensate for width variations due to variations in the beam current.

## 7. CPU <System and Teletext Control>

**Pin description**

**Pin1:** Tuning voltage output
**Pin2:** Brightness control output (6-bit DAC)
**Pin3:** Contrast control output (6-bit DAC)
**Pin4:** Colour control output (6-bit DAC)
**Pin5:** Sharpness control output(6-bit DAC)
**Pin6:** Not used (GND)
**Pin7:** Not used (GND)
**Pin8:** Power ON/OFF output (H:ON)
**Pin9:** AFT signal input
**Pin10:** Option SW1 & Keyboard scan input (DC)
**Pin11**: Option SW2
**Pin12:** 50/60Hz switch input (50Hz: Hi)
**Pin13:** GND
**Pin14:** TV/AV switch output (TV: Hi)
**Pin15:** S-VHS switch output (S-VHS: Hi)
**Pin16:** Option SW3 (2AV: Hi)
**Pin17:** Function signal input for SCART1
**Pin18:** Function signal input for SCART2
**Pin19:** Power LED drive output1
**Pin20:** Option SW4 & Power LED drive output2
**Pin21:** Ignore output
**Pin22:** GND
**Pin23:** CVBS input0 (Internal)
**Pin24:** CVBS input1 (Internal/External)
**Pin25:** Black
**Pin26:** IREF
**Pin27:** Odd/Even output
**Pin28:** GND
**Pin29:** -
**Pin30:** V-deflection stop output
**Pin31:** RGB REF
**Pin32:** Blue output for OSD
**Pin33:** Green output for OSD
**Pin34:** Red output for OSD
**Pin35:** Blanking output for OSD
**Pin36:** H-sync. input (Horizontal pulse for OSD)
**Pin37:** V-sync. input (Vertical pulse for OSD)
**Pin38~39:** Supply (+5V)
**Pin 40:** OSC GND
**Pin 41:** Oscillator input for CPU
**Pin 42:** Oscillator output for CPU
**Pin 43:** Reset input
**Pin 44:** Supply (+5V)
**Pin 45:** Protect signal input (L:Power circuit defects)
**Pin 46:** Ident. signal input
**Pin 47:** R/C signal input
**Pin 48:** Mute output in no picture
**Pin 49:** I²C bus SCL (Serial clock)
**Pin 50:** I²C bus SDA (Serial date)
**Pin 51:** Option SW5 & Band select output1
**Pin 52:** Band select output2

# SERVICE CONTROL ADJUSTMENT






F2VCV

## B1 POWER SUPPLY ADJUSTMENT

1. Set VR641 to it's mechanical centre before pressing the mains switch.
2. Tune the receiver to a PAL circular pattern.
3. Set the brightness and contrast controls to normal.
4. Connect a digital V-meter to test point "TP-B".
5. By using VR641, adjust the voltage to 130 ± 0.5 V **(for 21 inch)**.
   By using VR641, adjust the voltage to 150 ± 0.5 V **(for 25 and 28 inch)**.

## AFT ADJUSTMENT

1. Tune the receiver to the clearest station.
2. By using T141, adjust AFT to obtain the best picture.

## AGC ADJUSTMENT

**NOTE:** ***Do not attempt this adjustment with a weak signal.***

1. Tune the receiver to the clearest station.
2. Turn AGC VR(VR130) in direction which causes snow noise to appear, then in the opposite direction until the snow noise just disappears.

## GREY SCALE ADJUSTMENT

**[SCREEN VR ADJUSTMENT]**

1. Tune the receiver to the white pattern.
2. Set the brightness and contrast controls to normal.
3. Set VR2601and VR2611 to its mechanical centre.
4. Turn VR2602, VR2612 and VR2622 fully anti-clockwise.
5. Set the TV into service mode by pressing the Function button F on the Remote control and the Prog + P▲on the TV front panel. Press the Function button F on the Remote control until "SCREEN" is highlighted. This sets up a horizontal scanning line.
6. Set screen VR so that one colour is just visible.

**[BIAS VR ADJUSTMENT]**

7. By using VR2602, VR2612 or VR2622, adjust line to be white.
8. Set screen mode OFF, by pressing the Recall button on the Remote control.

**[DRIVE VR ADJUSTMENT]**

9. By using VR2601 and VR2611, adjust white balance.

## HIGH VOLTAGE & WIDTH ADJUSTMENT

**[HIGH VOLTAGE ADJUSTMENT]**

1. Tune the receiver to circular pattern.
2. Set the brightness and contrast controls to maximum.
3. Connect digital V-meter to both terminals of R224, and a high voltage meter to the CRT anode.
4. Confirm high voltage to be 25.0 ± 1 KV at beam current 1.1, and less than 28.0 KV at 0 beam current **(for 21 inch)**.
   Confirm high voltage to be 26.0 ± 1 KV at beam current 1.3, and less than 29.0 KV at 0 beam current **(for 25 inch)**.
   Confirm high voltage to be 26.0 ± 1 KV at beam current 1.4, and less than 29.0 KV at 0 beam current **(for 28 inch)**.

**[H-WIDTH ADJUSTMENT]**

5. If H-width is too wide or narrow, connect or disconnect a lead wire J213**(for 21 inch)**.
   Adjust VR462 to obtain proper H- width **(for 25 and 28 inch).**
6. Reconfirm high voltage.

## H-CENTRE ADJUSTMENT

1. Tune the receiver to circular pattern.
2. Adjust H-centre by using VR361.

## V-CENTRE ADJUSTMENT

1. Tune the receiver to circular pattern.
2. Adjust V-centre by using SW501.

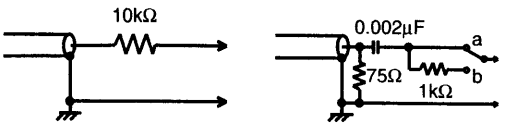
## V-SIZE ADJUSTMENT

1. Tune the receiver to circular pattern.
2. Adjust V-size by using VR501.

## FOCUS ADJUSTMENT

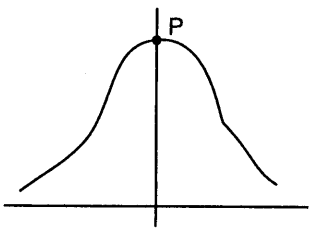
By using FOCUS VR, adjust focus control for good scanning lines.

# CIRCUIT ALIGNMENT

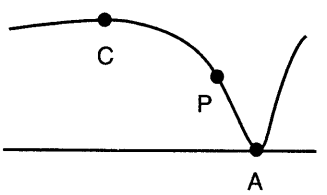



Input probe Output probe

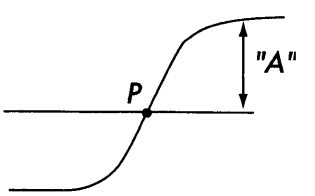
## VIF alignment

| SETTING | | Adjustment | Waveform |
|---|---|---|---|
| DC 15.5V<br>AGC voltage (4.3-4.5V)<br>Output probe<br><br>Input probe<br><br>Marker frequency<br>Sweep ATT<br>0dB=176mVrms/75 | C644 +<br>IC201-pin48<br>IC201-pin45<br>(Side b)<br>IC201-pin7<br><br>39.5MHz<br>20dB | By using T141, adjust "P" to be maximum amplitude. |  |

## Trap alignment

| SETTING | | Adjustment | Waveform |
|---|---|---|---|
| DC 15.5V<br>Output probe<br><br>Input probe<br><br>Marker frequency<br>Sweep ATT<br>0dB=176mVrms/75 | C644 +<br>Tuner IF<br>(Side a)<br>Q101-C<br><br>41.5MHz<br>11dB | By using T101, adjust "A" to be minimum amplitude. |  |

## SIF alignment

| SETTING | | Adjustment | Waveform |
|---|---|---|---|
| DC 12V<br>AGC voltage<br>Output probe<br><br>Input probe<br>Sweep ATT<br>Marker Frequency | IC3801-pin11<br>IC3801-pin3<br>IC3801-pin1<br>(Side b)<br>IC3801-pin12<br>10dB<br>38.5MHz | 1. Adjust AGC voltage to be "A" = 0.5Vp-p.<br>2. By using T3801, adjust "P" to be equal centre line. |  |

# INITIALISATION (Important Notice)

**When you replace a memory IC (IC802), it is necessary to initialise the IC as following step.**

## A. Initialisation

Press and hold the **normalisation button** →•← on the remote control handset and press the **programme + button** P▲ on the TV set.
The IC will be initialised automatically to set the following data.

**User control data**

| | |
|---|---|
| Colour | : Centre |
| Brightness | : Centre |
| Contrast | : Maximum |
| Sharpness | : Centre |
| Text. Bright | : Centre |
| Bass | : Centre |
| Treble | : Centre |
| Balance | : Centre |
| Volume | : Step 12 |

| Service data | | Manual set data | |
|---|---|---|---|
| K1 | : +000 | -> | +001 |
| K2 | : +000 | -> | -001 |
| ST ID | : +000 | | |
| ATT | : +004 | | |

**The initialised service data of items K1 and K2 should be modified to the manual set data shown above.**
**For how to modify, refer to next step.**

## B. Service Mode

1. To entre the service mode, press and hold the **Function button** F▭ on the remote control handset and press the **programme + button** P▲ on the TV set.
   The following OSD appears on the screen.

| ADJUST | DATA |
|---|---|
| K1 | +000 |
| K2 | +000 |
| ST ID | +000 |
| ATT | +004 |
| SCREEN | VOL |
| CPU Ver | 1.0 |

2. Select desired service item by using the **Function button** F▭ on the remote control handset.
3. Change date by using the **Level + or - button** − ◢ + .
4. To return to TV mode press the **Recall button** ▭Ⓨ on the remote control handset.

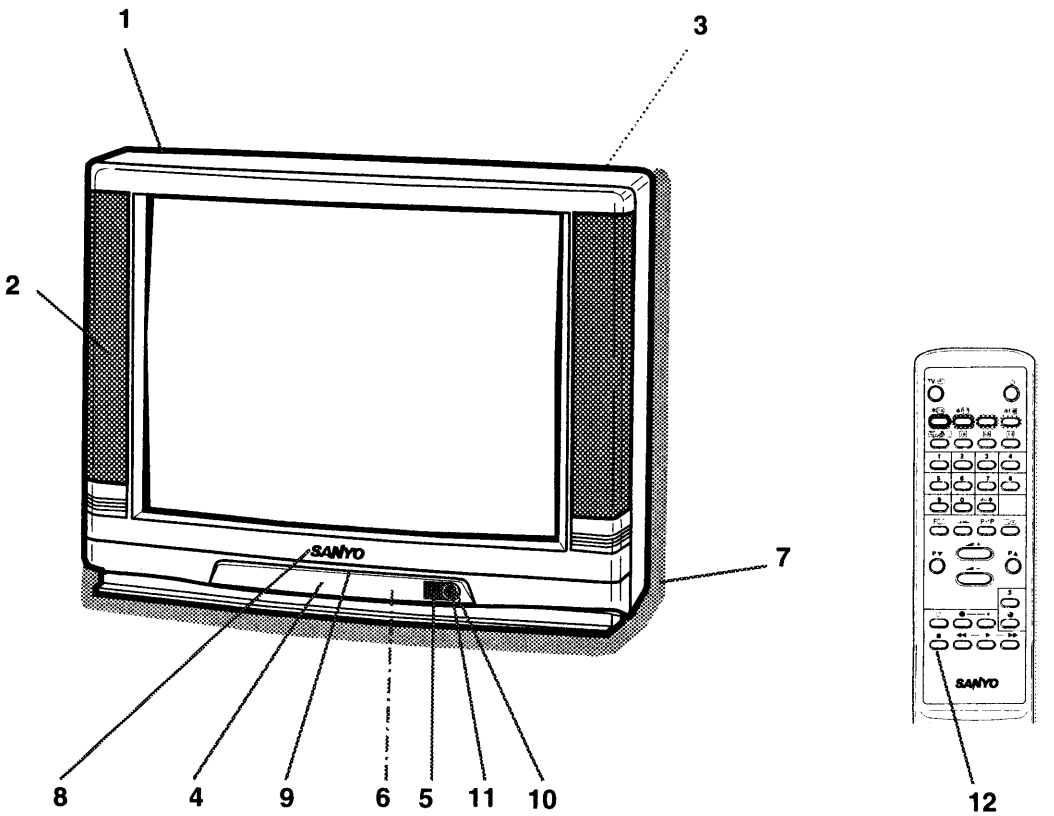
**Service mode description**

K1, K2 : For adjustment of stereo separation
ST ID : Mode setting for A2 stereo judgement
+000 : Fast mode
+001: Normal mode
+002: Fast -> normal mode
ATT : Attenuation of FM sound
To equalise sound level between FM and Nicam.
SCREEN: For screen adjustment
To make one horizontal scanning line.

**NOTE:**
The items K1, K2, ST ID and ATT are invalid adjustments for this model.
The data for K1,K2,ST ID and ATT can be altered, but it but has no effect.

# CABINET PARTS LIST C28EH65NB

Note: Parts order must contain Service Ref. No., Part No., and descriptions.



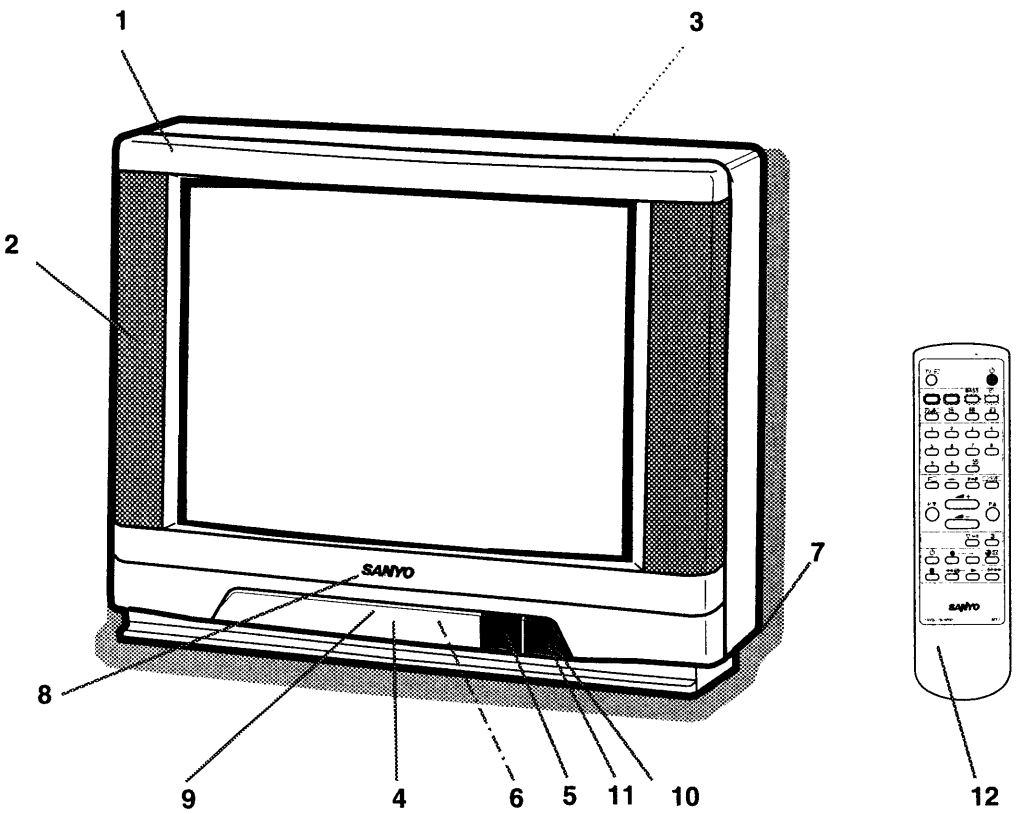




| Part No. | Description | Part No. | Description |
|---|---|---|---|
| **CABINET PARTS** | | | |
| 1 | 610 261 2776 | ASSY,CABINET FR-F2WCV | |
| 2 | 610 256 6529 | ASSY,GRILLE SP-E7GC | |
| 3 | 610 251 1178 | CABINET BACK-E7MC | |
| 4 | 610 261 2790 | DOOR-F2WCV | |
| 5 | 610 261 6118 | DEC BOARD-F2WTM | |
| 6 | 610 260 7581 | DEC CONTROL SHEET-F2WTM | |
| 7 | 610 253 2449 | HOLDER AC CORD-GBR-D4VA | |
| 8 | 645 003 9256 | BADGE,SANYO*46.2X13.5L45 | |
| 9 | 610 104 2505 | LATCH PUSH,7.9X6.9BK | |
| 10 | 610 210 7302 | COIL SPRING-D8HA | |
| | 610 102 7151 | DC HOLDER HBZ | |
| **KNOBS** | | | |
| 11 | 610 249 5355 | BUTTON POWER-E7KC | |
| **ACCESSORIES** | | | |
| 12 | JXTJ | RC TRANSMITTER | |
| A9901A | 610 251 6876 | RC-CASE TOP-JXTA | |
| A9901B | 610 251 6883 | RC-CASE BOTTOM-JXTA | |
| A9901C | 610 251 6890 | RC-BATTERY LID-JXTA | |
| A9901D | 610 251 6906 | RC-TRANSPARENT BOARD-JXTA | |
| A9901E | 610 261 2479 | DEC RC SHEET-JXTJ | |
| | 610 261 2516 | INSTRUCTIONS MANUAL-F2WCV | |

# CABINET PARTS LIST C25EG65NB

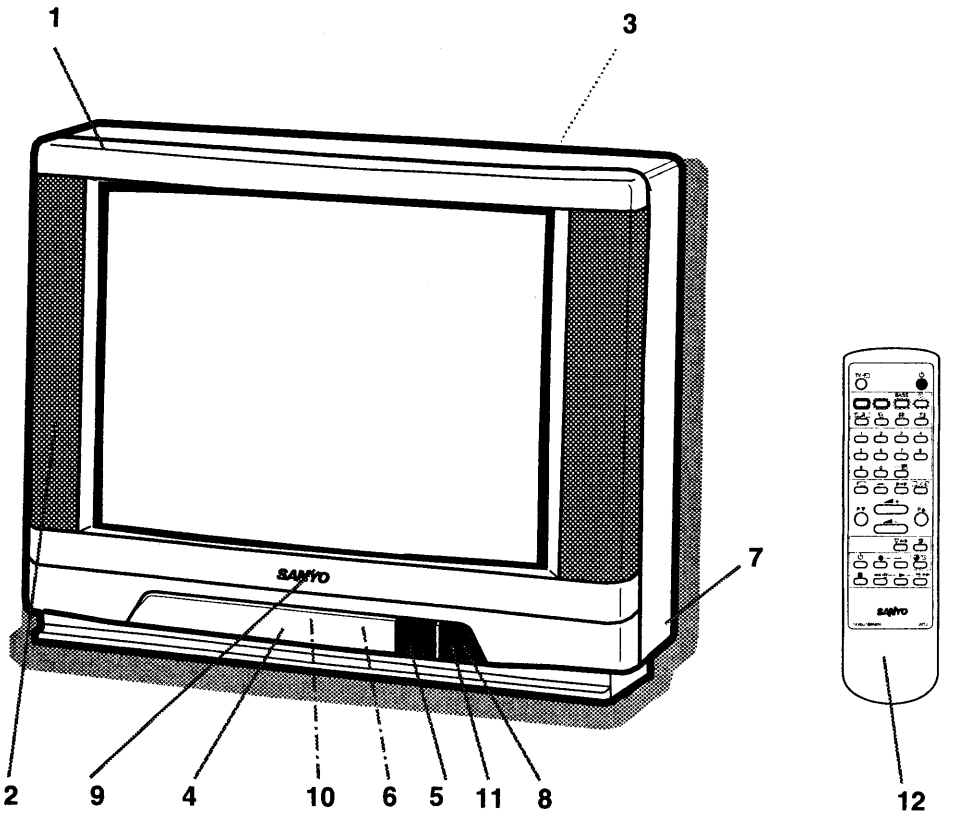
Note: Parts order must contain Service Ref. No., Part No., and descriptions.




| | Part No. | Description | Part No. | Description |
|---|---|---|---|---|
| **CABINET PARTS** | | | | |
| 1 | 610 261 2424 | ASSY,CABINET FR-F2VCV | | |
| 2 | 610 256 6529 | ASSY,GRILLE SP-E7GC | | |
| 3 | 610 260 6836 | CABINET BACK-F2VTM | | |
| 4 | 610 261 2455 | DOOR-F2VCV | | |
| 5 | 610 261 6125 | DEC BOARD-F2VTM | | |
| 6 | 610 260 6843 | DEC CONTROL SHEET-F2VTM | | |
| 7 | 610 253 2449 | HOLDER AC CORD-GBR-D4VA | | |
| 8 | 645 003 9256 | BADGE,SANYO*46.2X13.5L45 | | |
| 9 | 610 104 2505 | LATCH PUSH,7.9X6.9BK | | |
| 10 | 610 210 7302 | COIL SPRING-D8HA | | |
| | 610 102 7151 | DC HOLDER HBZ | | |
| **KNOBS** | | | | |
| 11 | 610 255 3895 | BUTTON-E7GC | | |
| **ACCESSORIES** | | | | |
| 12 | JXTJ | RC TRANSMITTER | | |
| A9901A | 610 251 6876 | RC-CASE TOP-JXTA | | |
| A9901B | 610 251 6883 | RC-CASE BOTTOM-JXTA | | |
| A9901C | 610 251 6890 | RC-BATTERY LID-JXTA | | |
| A9901D | 610 251 6906 | RC-TRANSPARENT BOARD-JXTA | | |
| A9901E | 610 261 2479 | DEC RC SHEET-JXTJ | | |
| | 610 261 2516 | INSTRUCTIONS MANUAL-F2WCV | | |

# CABINET PARTS LIST C21EF45NB

Note: Parts order must contain Service Ref. No., Part No., and descriptions.







| Part No. | Description | Part No. | Description |
|---|---|---|---|
| **CABINET PARTS** | | | |
| 1 | 610 262 8760 ASSY,CABINET FR-F2RCV | | |
| 2 | 610 256 6512 ASSY,GRILLE SP-E7RC | | |
| 3 | 610 261 6798 CABINET BACK-F2RCV | | |
| 4 | 610 261 2455 DOOR-F2VCV | | |
| 5 | 610 261 6125 DEC BOARD-F2VTM | | |
| 6 | 610 260 6843 DEC CONTROL SHEET-F2VTM | | |
| 7 | 610 253 2449 HOLDER AC CORD-GBR-D4VA | | |
| | 610 260 0131 HOLDER DC GBR-HBZ | | |
| | 610 252 9487 SPACER CUSHION-E7KC | | |
| 8 | 610 261 3032 SPRING-E7GC | | |
| 9 | 645 003 9256 BADGE,SANYO*46.2X13.5L45 | | |
| 10 | 610 104 2505 LATCH PUSH,7.9X6.9BK | | |
| **KNOBS** | | | |
| 11 | 610 255 3895 BUTTON-E7GC | | |
| **ACCESSORIES** | | | |
| 12 | JXTJ RC TRANSMITTER | | |
| A9901A | 610 251 6876 RC-CASE TOP-JXTA | | |
| A9901B | 610 251 6883 RC-CASE BOTTOM-JXTA | | |
| A9901C | 610 251 6890 RC-BATTERY LID-JXTA | | |
| A9901D | 610 251 6906 RC-TRANSPARENT BOARD-JXTA | | |
| A9901E | 610 261 2479 DEC RC SHEET-JXTJ | | |
| | 610 261 2516 INSTRUCTIONS MANUAL-F2WCV | | |

## CHASSIS ELECTRICAL PARTS LIST

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Parts order must contain Service Ref. No., Part No., and descriptions.

| Ref. No. | Part No. | Description |
|---|---|---|

Read description in the Capacitor and Resistor as follows:

CAPACITOR

CERAMIC 100P K 50V

- 50V: Rated Voltage
- K: Tolerance Symbols:

  Less than 10PF

  A: Not specified B: ±0.1PF C: ±0.25PF
  D: ±0.5PF F: ±1PF G: ±2PF
  R: ±0.25-0PF S: ±0-0.25PF E: +0-1PF

  More than 10PF

  A: Not specified B: ±0.1% C: ±0.25%
  D: ±0.5% F: ±1% G: ±2%
  H: ±3% J: ±5% K: ±10%
  L: ±15% M: ±20% N: ±30%
  P: +100-0% Q: +30-10% T: +50-10%
  U: +75-10% V: +20-10% W: +100-10%
  X: +40-20% Y: +150-10% Z: +80-20%
- 100P: Rated value: P=pico farad, U=Micro farad
- CERAMIC: Material:

CERAMIC..... Ceramic
MT-PAPER..... Metallized Paper
POLYESTER..... Polyester
MT-POLYEST.... Metallized Polyester
POLYPRO..... Polypropylene
MT-POLYPRO.... Metallized Polypropylene
COMPO FILM..... Composite film
MT-COMPO..... Metallized Composite
STYRENE..... Styrene
TA-SOLID..... Tantalum Solid
AL-SOLID..... Aluminium Solid
ELECT..... Electrolytic
NP-ELECT..... Non-polarized Electrolytic
OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic
DL-ELECT..... Doble Layered Electrolytic

RESISTOR

CARBON 4.7K J A 1/4W

- 1/4W: Rated Wattage
- A: Performance Symbols:

  A: General B: Non flammable Z: Low noise
  Other: Temperature coefficient
- J: Tolerance Symbols:

  A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5%
  F: ±1% G: ±2% J: ±5% K: ±10%
  M: ±20% P: +5-15%
- 4.7K: Rated value, ohms:

  K: 1,000, M: 1,000,000
- CARBON: Material:

CARBON..... Carbon
MT-FILM..... Metal Film
OXIDE-MT..... Oxide Metal Film
SOLID..... Composition
MT-GLAZE..... Metal Glaze
WIRE WOUND... Wire Wound
CERAMIC RES.. Ceramic
FUSIBLE RES.... Fusible

| Ref. No. | Part No. | Description |
|---|---|---|

# Chassis construction

## C21EF45NB (21DN1)

### SERVICE REF. NO. C25EF45NB-00 (21DN1)

| | | |
|---|---|---|
| ASSY,PWB,MAIN F2RCV | 1AA0B10E21700 | (Page 12) |
| ASSY,PWB,SIF F2RC | 1AA0B10E2300A | (Page 35) |
| ASSY,PWB,AUDIO F2RC | 1AA0B10E2300B | (Page 34) |
| ASSY,PWB,CRT F2RC | 1AA0B10E24500 | (Page 34) |
| OUT OF CIRCUIT-F2RCV | | (Page 12) |

### SERVICE REF. NO. C21EF45NB-01 (21DN1)

| | | |
|---|---|---|
| ASSY,PWB,MAIN F2RCS | 1AA0B10H01800 | (Page 19) |
| ASSY,PWB,SIF F2RC | 1AA0B10E2300A | (Page 35) |
| ASSY,PWB,AUDIO F2RC | 1AA0B10E2300B | (Page 34) |
| ASSY,PWB,CRT F2RC | 1AA0B10E24500 | (Page 34) |
| OUT OF CIRCUIT-F2RCS | | (Page 12) |

## C25EG65NB (25DN1)

### SERVICE REF. NO. C25EG65NB-00 (25DN1)

| | | |
|---|---|---|
| ASSY,PWB,MAIN F2VCV | 1AA0B10E21900 | (Page 19) |
| ASSY,PWB,SIF F2RC | 1AA0B10E2300A | (Page 35) |
| ASSY,PWB,AUDIO F2RC | 1AA0B10E2300B | (Page 34) |
| ASSY,PWB,CRT F2RC | 1AA0B10E24500 | (Page 34) |
| OUT OF CIRCUIT-F2VCV | | (Page 12) |

## C28EH65NB (28DN1)

### SERVICE REF. NO. C28EH65NB-00 (28DN1)

| | | |
|---|---|---|
| ASSY,PWB,MAIN F2WCM | 1AA0B10H015E0 | (Page 34) |
| ASSY,PWB,SIF F2RC | 1AA0B10E2300A | (Page 35) |
| ASSY,PWB,AUDIO F2RC | 1AA0B10E2300B | (Page 34) |
| ASSY,PWB,CRT F2RC | 1AA0B10E24500 | (Page 34) |
| OUT OF CIRCUIT-F2WCM | | (Page 12) |

### SERVICE REF. NO. C28EH65NB-01 (28DN1)

| | | |
|---|---|---|
| ASSY,PWB,MAIN F2WCV | 1AA0B10E22500 | (Page 26) |
| ASSY,PWB,SIF F2RC | 1AA0B10E2300A | (Page 35) |
| ASSY,PWB,AUDIO F2RC | 1AA0B10E2300B | (Page 34) |
| ASSY,PWB,CRT F2RC | 1AA0B10E24500 | (Page 34) |
| OUT OF CIRCUIT-F2WCV | | (Page 12) |

| Ref. No. | Part No. | Description |
|---|---|---|

## OUT OF CIRCUIT BOARD-F2RCV

**PICTURE TUBE**

| | | |
|---|---|---|
| ⚠Q901 | 414 007 9001 | CRT A51EBV13X09 |

**COIL**

| | | |
|---|---|---|
| ⚠L901 | 645 002 5624 | COIL,DEGAUSSING |
| | 645 002 5631 | COIL,DEGAUSSING |

**MISCELLANEOUS**

| | | |
|---|---|---|
| K10B-12B | 610 261 4015 | CORD,ID-CONNECTOR F2WTM |
| SP901 | 610 232 3986 | SPEAKER |
| | 610 228 7202 | SPEAKER |
| SP902 | 610 232 3986 | SPEAKER |
| | 610 228 7202 | SPEAKER |
| ⚠W901 | 645 011 8838 | CORD,POWER |
| W902 | 610 251 5824 | ASSY,WIRE GND CONNECTOR E |

## OUT OF CIRCUIT BOARD-F2RCS

**PICTURE TUBE**

| | | |
|---|---|---|
| ⚠Q901 | 414 007 9001 | CRT A51EBV13X09 |
| Q901-1 | 610 003 1739 | CG PURITY MAGNET |
| Q901-2A | 610 117 0154 | DT SPACER-D4AK |
| Q901-2B | 610 117 0154 | DT SPACER-D4AK |
| Q901-2C | 610 117 0154 | DT SPACER-D4AK |

**COIL**

| | | |
|---|---|---|
| ⚠L901 | 645 002 5624 | COIL,DEGAUSSING |
| | 645 002 5631 | COIL,DEGAUSSING |
| ⚠L902 | 645 011 2591 | DEFLECTION YOLK |

**MISCELLANEOUS**

| | | |
|---|---|---|
| K10B-12B | 610 261 4015 | CORD,ID-CONNECTOR F2WTM |
| SP901 | 610 232 3986 | SPEAKER |
| | 610 228 7202 | SPEAKER |
| SP902 | 610 232 3986 | SPEAKER |
| | 610 228 7202 | SPEAKER |
| ⚠W901 | 645 011 8838 | CORD,POWER |
| W902 | 610 251 5824 | ASSY,WIRE GND CONNECTOR E |

## OUT OF CIRCUIT BOARD-F2VCV

**PICTURE TUBE**

| | | |
|---|---|---|
| ⚠Q901 | 414 007 1104 | CRT A59ECY13X38 |

**COIL**

| | | |
|---|---|---|
| ⚠L901 | 645 003 0031 | COIL,DEGAUSSING |
| | 645 003 0062 | COIL,DEGAUSSING |

**MISCELLANEOUS**

| | | |
|---|---|---|
| K10B-12B | 610 261 4015 | CORD,ID-CONNECTOR F2WTM |
| SP901 | 645 002 4313 | SPEAKER,8 |
| SP902 | 645 002 4313 | SPEAKER,8 |
| ⚠W901 | 645 011 8838 | CORD,POWER |
| W902 | 610 251 5831 | ASSY,WIRE GND CONNECTOR E |

## OUT OF CIRCUIT BOARD-F2WCV

**PICTURE TUBE**

| | | |
|---|---|---|
| ⚠Q901 | 414 007 1203 | CRT A66ECY13X38 |

**COIL**

| | | |
|---|---|---|
| ⚠L901 | 645 003 0048 | COIL,DEGAUSSING |
| | 645 003 0055 | COIL,DEGAUSSING |

**MISCELLANEOUS**

| | | |
|---|---|---|
| K10B-12B | 610 261 4015 | CORD,ID-CONNECTOR F2WTM |
| SP901 | 645 002 4313 | SPEAKER,8 |
| SP902 | 645 002 4313 | SPEAKER,8 |
| W901 | 645 011 8838 | CORD,POWER |
| W902 | 610 252 5601 | ASSY,WIRE GND CONNECTOR E |

## OUT OF CIRCUIT BOARD-F2WCM

**PICTURE TUBE**

| | | |
|---|---|---|
| ⚠Q901 | 414 008 6306 | CRT A66ECF20X05 |

**COIL**

| | | |
|---|---|---|
| ⚠L901 | 645 003 0048 | COIL,DEGAUSSING |
| | 645 003 0055 | COIL,DEGAUSSING |

**MISCELLANEOUS**

| | | |
|---|---|---|
| K10B-12B | 610 261 4015 | CORD,ID-CONNECTOR F2WTM |
| SP901 | 645 002 4313 | SPEAKER,8 |
| SP902 | 645 002 4313 | SPEAKER,8 |
| W901 | 645 011 8838 | CORD,POWER |
| W902 | 610 252 5601 | ASSY,WIRE GND CONNECTOR E |

## ASSY,PWB,MAIN F2RCV 1AA0B10E21700

TRANSISTOR

| | | |
|---|---|---|
| Q001 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1001 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q1002 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1003 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1004 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1005 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1041 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1042 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |

| Ref. No. | Part No. | Description |
|---|---|---|
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q1043 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1201 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1202 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1203 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1204 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q121 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q151 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q152 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q153 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q154 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q161 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q162 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q171 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q2001 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q201 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q202 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q203 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q431 | 405 011 1808 | TR 2SC1627-O |
| | 405 011 1907 | TR 2SC1627-Y |
| | 405 013 6801 | TR 2SC2274-E |
| | 405 013 7006 | TR 2SC2274-F |
| Q432 | 405 022 6809 | TR 2SD1651-CTV-YB |
| Q501 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q611 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q612 | 405 058 0208 | TR 2SC3807-R-CTV-YA |
| Q613 | 405 018 9203 | TR 2SC3895-T-CTV-YB |
| Q641 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q652 | 405 023 4903 | TR 2SD400-D-MP |
| | 405 023 5009 | TR 2SD400-E-MP |
| | 405 023 5306 | TR 2SD400-F-MP |
| Q681 | 405 059 9804 | TR 2SD1913-Q-RA |
| | 405 059 9903 | TR 2SD1913-R-RA |
| | 405 060 0005 | TR 2SD1913-S-RA |
| Q682 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q801 | 405 118 4207 | TR PH2369 |
| Q835 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q861 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q871 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q872 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q873 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |

| Ref. No. | Part No. | Description |
|---|---|---|
| | 405 019 3804 | TR 2SC536-G-NP |
| Q874 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| **INTEGRATED CIRCUIT** | | |
| IC001 | 409 301 4906 | IC TDA7263M |
| IC1201 | 409 018 7603 | IC LA7016 |
| IC1202 | 409 120 3401 | IC LA7221 |
| IC201 | 409 380 8703 | IC TDA8361/N5 |
| IC271 | 409 291 0605 | IC TDA4661/V2 |
| | 409 322 0505 | IC TDA4662/V1 |
| IC501 | 409 183 5008 | IC LA7832 |
| IC651 | 409 143 3402 | IC AN78M12 LB |
| | 409 365 2900 | IC BA178M12T |
| | 409 026 9507 | IC L78M12-RA |
| | 409 269 1207 | IC L78M12CV |
| | 409 366 1803 | IC MC78M12CT |
| IC652 | 409 362 7403 | IC AN78M08 LB |
| | 409 365 2801 | IC BA178M08T |
| | 409 285 5203 | IC L78M08-RA |
| | 409 269 1108 | IC L78M08CV |
| | 409 366 1704 | IC MC78M08CT |
| IC801 | 410 248 9602 | IC SAA5296ZP/019 |
| IC802 | 409 247 7702 | IC ST24C02AB1 |
| | 409 281 8307 | IC 24C02A/P |
| | 409 333 3700 | IC 24LC02B/P |
| **CAPACITOR** | | |
| C001 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C002 | 403 070 9803 | CERAMIC 0.015U K 50V |
| C003 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C004 | 403 070 9803 | CERAMIC 0.015U K 50V |
| C005 | 403 046 3507 | ELECT 33U M 25V |
| C006 | 403 046 3507 | ELECT 33U M 25V |
| C007 | 403 270 3403 | MT-POLYEST 0.22U K 63V |
| | 403 237 7901 | MT-COMPO 0.22U J 50V |
| C008 | 403 270 3403 | MT-POLYEST 0.22U K 63V |
| | 403 237 7901 | MT-COMPO 0.22U J 50V |
| C009 | 403 270 3403 | MT-POLYEST 0.22U K 63V |
| | 403 237 7901 | MT-COMPO 0.22U J 50V |
| C010 | 403 270 3403 | MT-POLYEST 0.22U K 63V |
| | 403 237 7901 | MT-COMPO 0.22U J 50V |
| C011 | 403 042 4805 | ELECT 1000U M 16V |
| C012 | 403 042 4805 | ELECT 1000U M 16V |
| C013 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C014 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C015 | 403 047 3100 | ELECT 47U M 25V |
| C016 | 403 085 4008 | NP-ELECT 10U M 16V |
| C017 | 403 085 4008 | NP-ELECT 10U M 16V |
| C021 | 403 052 8503 | ELECT 1000U M 35V |
| C023 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C024 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C1001 | 403 069 1702 | CERAMIC 1000P K 50V |
| C1002 | 403 041 8804 | ELECT 10U M 16V |
| C1003 | 403 009 5708 | CERAMIC 100P J 50V |
| C1004 | 403 130 3109 | CERAMIC 0.047U K 50V |
| C1005 | 403 069 1702 | CERAMIC 1000P K 50V |
| C1006 | 403 041 8804 | ELECT 10U M 16V |
| C1007 | 403 009 5708 | CERAMIC 100P J 50V |
| C1008 | 403 130 3109 | CERAMIC 0.047U K 50V |
| C1009 | 403 041 8804 | ELECT 10U M 16V |
| C101 | 403 194 4609 | ELECT 470U M 16V |
| C102 | 403 043 9106 | ELECT 47U M 16V |
| C1021 | 403 069 1702 | CERAMIC 1000P K 50V |
| C1022 | 403 041 8804 | ELECT 10U M 16V |
| C1023 | 403 009 5708 | CERAMIC 100P J 50V |
| C1024 | 403 041 9405 | ELECT 10U M 16V |

| Ref. No. | Part No. | Description |
|---|---|---|
| C1025 | 403 069 1702 | CERAMIC 1000P K 50V |
| C1026 | 403 041 8804 | ELECT 10U M 16V |
| C1027 | 403 009 5708 | CERAMIC 100P J 50V |
| C1028 | 403 041 9405 | ELECT 10U M 16V |
| C1029 | 403 041 8804 | ELECT 10U M 16V |
| C1031 | 403 014 9203 | CERAMIC 180P J 50V |
| C104 | 403 043 9106 | ELECT 47U M 16V |
| C1041 | 403 041 8804 | ELECT 10U M 16V |
| C106 | 403 049 0008 | ELECT 1U M 50V |
| C108 | 403 027 1201 | CERAMIC 5P C 50V |
| C109 | 403 027 1201 | CERAMIC 5P C 50V |
| C110 | 403 033 4500 | CERAMIC 82P J 50V |
| C1101 | 403 041 8804 | ELECT 10U M 16V |
| C1102 | 403 009 5708 | CERAMIC 100P J 50V |
| C1103 | 403 069 1702 | CERAMIC 1000P K 50V |
| C1104 | 403 041 8804 | ELECT 10U M 16V |
| C1105 | 403 009 5708 | CERAMIC 100P J 50V |
| C1106 | 403 069 1702 | CERAMIC 1000P K 50V |
| C1107 | 403 041 8804 | ELECT 10U M 16V |
| C1108 | 403 014 9203 | CERAMIC 180P J 50V |
| C1109 | 403 008 7406 | CERAMIC 10P D 50V |
| C114 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| C117 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| C1201 | 403 041 8804 | ELECT 10U M 16V |
| C1202 | 403 041 8804 | ELECT 10U M 16V |
| C1203 | 403 069 8305 | CERAMIC 0.01U Z 50V |
| C121 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C131 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| C132 | 403 069 1702 | CERAMIC 1000P K 50V |
| C133 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C134 | 403 049 9803 | ELECT 2.2U M 50V |
| C135 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C136 | 403 194 4609 | ELECT 470U M 16V |
| C137 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C138 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C141 | 403 028 4409 | CERAMIC 56P J 50V |
| C142 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C143 | 403 073 4201 | CERAMIC 3900P K 50V |
| C151 | 403 022 8205 | CERAMIC 33P J 50V |
| C152 | 403 028 4102 | CERAMIC 56P J 50V |
| C161 | 403 009 5708 | CERAMIC 100P J 50V |
| C162 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C163 | 403 041 8804 | ELECT 10U M 16V |
| C171 | 403 270 2901 | MT-POLYEST 0.1U K 63V |
| | 403 237 8007 | MT-COMPO 0.1U J 50V |
| C1901 | 403 069 1702 | CERAMIC 1000P K 50V |
| C200 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C2001 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C2002 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C2003 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C201 | 403 014 3409 | CERAMIC 18P J 50V |
| C202 | 403 270 2901 | MT-POLYEST 0.1U K 63V |
| | 403 237 8007 | MT-COMPO 0.1U J 50V |
| C203 | 403 073 9107 | CERAMIC 4700P K 50V |
| C204 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C205 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C206 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C207 | 403 068 0409 | CERAMIC 0.1U Z 25V |
| | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C208 | 403 068 0409 | CERAMIC 0.1U Z 25V |

| Ref. No. | Part No. | Description | | |
|---|---|---|---|---|
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C209 | 403 069 1702 | CERAMIC | 1000P K | 50V |
| C212 | 403 049 9803 | ELECT | 2.2U M | 50V |
| C215 | 403 270 3908 | MT-POLYEST | 0.47U K | 63V |
| | 403 256 0808 | MT-COMPO | 0.47U J | 50V |
| C222 | 404 045 6605 | NP-ELECT | 2.2U M | 50V |
| C226 | 403 138 1602 | ELECT | 1U M | 100V |
| C231 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C232 | 403 014 9203 | CERAMIC | 180P J | 50V |
| C233 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C234 | 403 013 3004 | CERAMIC | 150P J | 50V |
| C235 | 403 008 7406 | CERAMIC | 10P D | 50V |
| C271 | 403 069 1702 | CERAMIC | 1000P K | 50V |
| C272 | 403 069 1702 | CERAMIC | 1000P K | 50V |
| C273 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C274 | 403 041 8804 | ELECT | 10U M | 16V |
| C351 | 403 270 2901 | MT-POLYEST | 0.1U K | 63V |
| | 403 237 8007 | MT-COMPO | 0.1U J | 50V |
| C352 | 403 270 3809 | MT-POLYEST | 0.047U K | 63V |
| | 403 225 2703 | MT-COMPO | 0.047U J | 50V |
| C353 | 403 073 9107 | CERAMIC | 4700P K | 50V |
| C354 | 403 049 0008 | ELECT | 1U M | 50V |
| C361 | 403 072 5605 | CERAMIC | 2700P K | 50V |
| C362 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C363 | 403 042 2405 | ELECT | 100U M | 16V |
| ⚠C421 | 404 046 8400 | MT-POLYPRO | 8200P J | 1.5K |
| ⚠C425 | 403 165 7301 | CERAMIC | 330P K | 3K |
| | 403 287 3601 | CERAMIC | 330P K | 3K |
| | 403 232 3007 | CERAMIC | 330P K | 3K |
| | 403 186 0107 | CERAMIC | 330P K | 3K |
| C430 | 403 075 7101 | CERAMIC | 1000P K | 500V |
| C432 | 403 075 7101 | CERAMIC | 1000P K | 500V |
| C433 | 403 076 3102 | CERAMIC | 3900P K | 500V |
| C434 | 403 229 1207 | ELECT | 47U M | 35V |
| C437 | 403 066 6106 | MT-POLYEST | 0.47U J | 250V |
| C438 | 403 057 0601 | POLYESTER | 0.01U K | 50V |
| | 403 179 3801 | POLYESTER | 0.01U K | 50V |
| ⚠C441 | 403 216 7601 | POLYPRO | 0.36U J | 200V |
| C445 | 403 049 4204 | ELECT | 10U M | 50V |
| C481 | 403 076 1405 | CERAMIC | 2700P K | 500V |
| C482 | 403 159 7409 | MT-POLYEST | 0.1U K | 250V |
| C501 | 403 054 1502 | ELECT | 470U M | 35V |
| C502 | 403 053 2104 | ELECT | 220U M | 35V |
| C503 | 403 024 2102 | CERAMIC | 39P J | 50V |
| C504 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C505 | 403 075 7101 | CERAMIC | 1000P K | 500V |
| C506 | 403 183 7901 | MT-POLYEST | 0.1U K | 100V |
| | 403 256 4806 | MT-COMPO | 0.1U J | 100V |
| C511 | 403 188 1201 | MT-POLYEST | 0.15U K | 100V |
| | 403 313 7603 | MT-COMPO | 0.15U J | 100V |
| C512 | 403 148 0404 | ELECT | 1000U M | 25V |
| C513 | 403 049 4204 | ELECT | 10U M | 50V |
| C514 | 403 049 4204 | ELECT | 10U M | 50V |
| C600 | 403 076 4000 | CERAMIC | 4700P K | 500V |
| ⚠C601 | 404 047 3602 | MT-POLYEST | 0.1U M | 125V |
| | 404 044 0901 | MT-COMPO | 0.1U M | 250V |
| ⚠C602 | 404 047 3602 | MT-POLYEST | 0.1U M | 125V |
| | 404 044 0901 | MT-COMPO | 0.1U M | 250V |
| C603 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C604 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C605 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C606 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C607 | 404 047 1707 | ELECT | 220U M | 400V |
| | 404 069 5905 | ELECT | 220U M | 400V |
| C613 | 403 061 8303 | POLYESTER | 4700P K | 50V |
| | 403 179 1104 | POLYESTER | 4700P K | 50V |
| C614 | 403 270 2901 | MT-POLYEST | 0.1U K | 63V |
| | 403 237 8007 | MT-COMPO | 0.1U J | 50V |
| C615 | 403 058 2604 | POLYESTER | 0.015U J | 50V |
| | 403 179 3207 | POLYESTER | 0.015U J | 50V |
| C616 | 403 165 8407 | CERAMIC | 680P K | 2K |
| | 403 232 2109 | CERAMIC | 680P K | 2K |
| C617 | 403 060 8403 | POLYESTER | 0.033U K | 50V |
| | 403 179 1609 | POLYESTER | 0.033U K | 50V |
| C631 | 404 060 6505 | CERAMIC | 2200P M | 400V |
| | 404 071 4200 | CERAMIC | 2200P M | 400V |
| | 404 060 6604 | CERAMIC | 2200P M | 400V |
| C640 | 403 069 8305 | CERAMIC | 0.01U Z | 50V |
| C641 | 403 165 9305 | CERAMIC | 680P K | 1K |
| | 403 262 4401 | CERAMIC | 680P K | 1K |
| C642A | 404 042 4505 | ELECT | 220U M | 160V |
| C643 | 403 148 2002 | ELECT | 470U M | 35V |
| C644 | 403 148 0701 | ELECT | 2200U M | 25V |
| C645 | 403 158 1309 | ELECT | 2200U M | 35V |
| C651 | 403 148 0305 | ELECT | 470U M | 16V |
| C652 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C653 | 403 043 9106 | ELECT | 47U M | 16V |
| C655 | 403 126 4400 | ELECT | 100U M | 10V |
| C661 | 403 051 0607 | ELECT | 4.7U M | 50V |
| C681 | 403 190 4702 | ELECT | 1000U M | 25V |
| C682 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C683 | 403 147 9606 | ELECT | 1000U M | 10V |
| C684 | 403 050 6600 | ELECT | 3.3U M | 50V |
| C802 | 403 270 3809 | MT-POLYEST | 0.047U K | 63V |
| | 403 225 2703 | MT-COMPO | 0.047U J | 50V |
| C812 | 403 049 0008 | ELECT | 1U M | 50V |
| C814 | 403 049 0008 | ELECT | 1U M | 50V |
| C816 | 403 046 9905 | ELECT | 4.7U M | 25V |
| C818 | 403 046 9905 | ELECT | 4.7U M | 25V |
| C841 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C861 | 403 138 5600 | POLYESTER | 5600P J | 50V |
| | 403 179 0800 | POLYESTER | 5600P J | 50V |
| C871 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C872 | 403 043 9106 | ELECT | 47U M | 16V |
| C873 | 403 018 0503 | CERAMIC | 22P J | 50V |
| C874 | 403 018 0503 | CERAMIC | 22P J | 50V |
| C875 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C878 | 403 073 9107 | CERAMIC | 4700P K | 50V |
| C879 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C881 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C882 | 403 041 8804 | ELECT | 10U M | 16V |
| C883 | 403 018 0503 | CERAMIC | 22P J | 50V |
| C884 | 403 018 0503 | CERAMIC | 22P J | 50V |
| **RESISTOR** | | | | |
| R001 | 401 037 5400 | MT-GLAZE | 1K JA | 1/10W |
| R002 | 401 037 9200 | MT-GLAZE | 1.8K JA | 1/10W |
| R003 | 401 037 5400 | MT-GLAZE | 1K JA | 1/10W |
| R004 | 401 037 9200 | MT-GLAZE | 1.8K JA | 1/10W |
| R005 | 401 019 9600 | CARBON | 47 JA | 1/4W |
| R006 | 401 014 4105 | CARBON | 1.5K JA | 1/4W |
| R007 | 401 019 9600 | CARBON | 47 JA | 1/4W |
| R008 | 401 014 4105 | CARBON | 1.5K JA | 1/4W |
| R009 | 401 010 1504 | CARBON | 4.7 JA | 1/2W |
| R010 | 401 010 1504 | CARBON | 4.7 JA | 1/2W |
| R011 | 401 007 7601 | CARBON | 150 JA | 1/2W |
| R012 | 401 007 7601 | CARBON | 150 JA | 1/2W |
| R013 | 401 037 6704 | MT-GLAZE | 1.2K JA | 1/10W |
| R014 | 401 025 7409 | CARBON | 220 JA | 1/6W |
| R015 | 401 037 5400 | MT-GLAZE | 1K JA | 1/10W |
| R016 | 401 038 6505 | MT-GLAZE | 47K JA | 1/10W |
| R017 | 401 037 5608 | MT-GLAZE | 10K JA | 1/10W |
| R100 | 401 037 5004 | MT-GLAZE | 0.000 ZA | 1/10W |
| R1001 | 401 038 7601 | MT-GLAZE | 560 JA | 1/10W |

| Ref. No. | Part No. | Description |
|---|---|---|
| R1002 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1003 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1004 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1005 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1006 | 401 038 5300 | MT-GLAZE 39K JA 1/10W |
| R1007 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R1008 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1009 | 401 027 6608 | CARBON 75 JA 1/6W |
| R101 | 401 038 6208 | MT-GLAZE 47 JA 1/10W |
| R1010 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1011 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R1012 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1013 | 401 024 6700 | CARBON 100 JA 1/6W |
| R1014 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1015 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R1016 | 401 019 1000 | CARBON 390 JA 1/4W |
| R1017 | 401 024 7400 | CARBON 10K JA 1/6W |
| R1018 | 401 038 3504 | MT-GLAZE 330 JA 1/10W |
| R1021 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1022 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1023 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1024 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1025 | 401 038 5300 | MT-GLAZE 39K JA 1/10W |
| R1026 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R1027 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1028 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1029 | 401 025 1308 | CARBON 150 JA 1/6W |
| R1031 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1032 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1033 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1041 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R1042 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1043 | 401 039 0304 | MT-GLAZE 820 JA 1/10W |
| R1044 | 401 039 0304 | MT-GLAZE 820 JA 1/10W |
| R1045 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1046 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1047 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R1051 | 401 037 8104 | MT-GLAZE 150K JA 1/10W |
| R1052 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1053 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R1054 | 401 037 8104 | MT-GLAZE 150K JA 1/10W |
| R1055 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1056 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R108 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1101 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1102 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R1103 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1104 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1105 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1106 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1111 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1200 | 401 022 1905 | CARBON 680 JA 1/4W |
| R1201 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R1202 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R1203 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1204 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R1205 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R1206 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R1207 | 401 024 7400 | CARBON 10K JA 1/6W |
| R1208 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1209 | 401 024 7400 | CARBON 10K JA 1/6W |
| R121 | 401 027 0309 | CARBON 47K JA 1/6W |
| R131 | 401 038 0909 | MT-GLAZE 220K JA 1/10W |
| R132 | 401 038 0909 | MT-GLAZE 220K JA 1/10W |
| R133 | 401 037 9101 | MT-GLAZE 180 JA 1/10W |
| R134 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R135 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R137 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R138 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R141 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R150 | 401 024 7004 | CARBON 1K JA 1/6W |
| R151 | 401 022 1905 | CARBON 680 JA 1/4W |
| R152 | 401 026 3905 | CARBON 330 JA 1/6W |
| R153 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R154 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R155 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R156 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R157 | 401 039 0908 | MT-GLAZE 910 JA 1/10W |
| R158 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R159 | 401 022 1905 | CARBON 680 JA 1/4W |
| R161 | 401 026 3905 | CARBON 330 JA 1/6W |
| R162 | 401 037 9101 | MT-GLAZE 180 JA 1/10W |
| R163 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R164 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R165 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R166 | 401 024 7004 | CARBON 1K JA 1/6W |
| R171 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R172 | 401 025 7409 | CARBON 220 JA 1/6W |
| R173 | 401 025 7409 | CARBON 220 JA 1/6W |
| R1900 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1901 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1901A | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1902 | 401 039 0403 | MT-GLAZE 8.2K JA 1/10W |
| R1902A | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1903 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R1903A | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1904 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R1905 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1906 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1907 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1908 | 401 038 9001 | MT-GLAZE 680 JA 1/10W |
| R1909 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R1911 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R1921 | 401 037 6605 | MT-GLAZE 120 JA 1/10W |
| R1922 | 401 038 5003 | MT-GLAZE 390 JA 1/10W |
| R1924 | 401 027 5502 | CARBON 6.8K JA 1/6W |
| R1926 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R2001 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R2002 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2004 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R2005 | 401 024 9701 | CARBON 12K JA 1/6W |
| R201 | 401 039 0403 | MT-GLAZE 8.2K JA 1/10W |
| R202 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R203 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R204 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R205 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R206 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R207 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R208 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R211 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R212 | 401 027 5502 | CARBON 6.8K JA 1/6W |
| R213 | 401 037 8005 | MT-GLAZE 15K JA 1/10W |
| R214 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R215 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R216 | 401 025 8208 | CARBON 22K JA 1/6W |
| R217 | 401 025 8208 | CARBON 22K JA 1/6W |
| R218 | 401 038 7809 | MT-GLAZE 56K JA 1/10W |
| R223 | 401 014 6109 | CARBON 150K JA 1/4W |
| R224 | 401 024 7004 | CARBON 1K JA 1/6W |
| R226 | 401 026 7408 | CARBON 39K JA 1/6W |
| R227 | 401 024 7400 | CARBON 10K JA 1/6W |
| R231 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R232 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R271 | 401 024 6700 | CARBON 100 JA 1/6W |
| R272 | 401 024 9008 | CARBON 120 JA 1/6W |
| R351 | 401 024 6700 | CARBON 100 JA 1/6W |
| R352 | 401 024 8001 | CARBON 1M JA 1/6W |
| R353 | 401 038 0909 | MT-GLAZE 220K JA 1/10W |
| R356 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R357 | 401 037 8005 | MT-GLAZE 15K JA 1/10W |
| R361 | 401 038 5409 | MT-GLAZE 390K JA 1/10W |
| R363 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R364 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R365 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |

| Ref. No. | Part No. | Description |
|---|---|---|
| R431 | 401 038 3504 | MT-GLAZE 330 JA 1/10W |
| R432 | 401 038 3504 | MT-GLAZE 330 JA 1/10W |
| R433 | 401 010 3102 | CARBON 470 JA 1/2W |
| R434 | 401 067 9201 | OXIDE-MT 390 JA 2W |
| R435 | 402 069 8704 | WIRE WOUND 8.2 KA 7W |
| R436 | 401 014 5201 | CARBON 15K JA 1/4W |
| ⚠R441 | 402 038 0708 | FUSIBLE RES 1K J- 1W |
| R447 | 401 026 9907 | CARBON 4.7K JA 1/6W |
| R448 | 401 009 5803 | CARBON 330 JA 1/2W |
| R451 | 401 064 5701 | OXIDE-MT 1.8 JA 2W |
| R481 | 401 025 4903 | CARBON 180K JA 1/6W |
| R482 | 401 027 2600 | CARBON 5.6K JA 1/6W |
| R501 | 401 026 9907 | CARBON 4.7K JA 1/6W |
| R502 | 402 051 8705 | FUSIBLE RES 4.7 J- 1/2W |
| R504 | 401 027 3003 | CARBON 56K JA 1/6W |
| R505 | 401 024 7400 | CARBON 10K JA 1/6W |
| R506 | 401 025 1605 | CARBON 1.5K JA 1/6W |
| R507 | 401 025 3807 | CARBON 180 JA 1/6W |
| R508 | 401 025 7805 | CARBON 2.2K JA 1/6W |
| R509 | 401 057 9105 | OXIDE-MT 1.2 JA 1W |
| R511 | 401 060 7402 | OXIDE-MT 270 JA 1W |
| R513 | 401 059 3903 | OXIDE-MT 1.5K JA 1W |
| R602 | 402 067 7709 | WIRE WOUND 3.9 KA 7W |
| R611 | 401 027 2600 | CARBON 5.6K JA 1/6W |
| R615 | 401 025 8208 | CARBON 22K JA 1/6W |
| R617 | 401 024 9305 | CARBON 1.2K JA 1/6W |
| R619 | 401 016 1508 | CARBON 22 JA 1/4W |
| R620 | 401 007 5805 | CARBON 120K JA 1/2W |
| R621 | 401 007 5805 | CARBON 120K JA 1/2W |
| R622 | 401 014 5201 | CARBON 15K JA 1/4W |
| R623 | 401 025 7805 | CARBON 2.2K JA 1/6W |
| R624 | 401 068 6902 | OXIDE-MT 56 JA 2W |
| R625 | 401 067 8204 | OXIDE-MT 39 JA 2W |
| R626 | 401 016 3304 | CARBON 2.2K GA 1/4W |
| ⚠R631 | 402 000 8305 | SOLID 5.6M KA 1/2W |
| ⚠R632 | 402 000 8305 | SOLID 5.6M KA 1/2W |
| R641 | 401 012 8105 | CARBON 100K JA 1/4W |
| R642 | 401 026 9907 | CARBON 4.7K JA 1/6W |
| R643 | 401 014 6109 | CARBON 150K JA 1/4W |
| R644 | 401 010 4307 | CARBON 47K JA 1/2W |
| R645 | 401 025 8208 | CARBON 22K JA 1/6W |
| R646 | 402 067 3305 | WIRE WOUND 4.7 KA 5W |
| R651 | 401 064 3806 | OXIDE-MT 1 JA 2W |
| R652 | 401 069 5607 | OXIDE-MT 8.2 JA 2W |
| R653 | 401 067 8204 | OXIDE-MT 39 JA 2W |
| R655 | 401 065 5809 | OXIDE-MT 15 JA 2W |
| R656 | 401 026 9600 | CARBON 470 JA 1/6W |
| R657 | 401 007 6901 | CARBON 15 JA 1/2W |
| R661 | 401 065 8503 | OXIDE-MT 15K JA 2W |
| R681 | 401 008 1608 | CARBON 1.8K JA 1/2W |
| R682 | 401 069 1708 | OXIDE-MT 68 JA 2W |
| R684 | 401 027 8602 | CARBON 8.2K JA 1/6W |
| R685 | 401 025 8208 | CARBON 22K JA 1/6W |
| R800 | 401 025 7805 | CARBON 2.2K JA 1/6W |
| R801 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R802 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R803 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R804 | 401 025 8208 | CARBON 22K JA 1/6W |
| R806 | 401 024 7400 | CARBON 10K JA 1/6W |
| R807 | 401 027 5502 | CARBON 6.8K JA 1/6W |
| R811 | 401 025 7805 | CARBON 2.2K JA 1/6W |
| R812 | 401 038 5102 | MT-GLAZE 3.9K JA 1/10W |
| R813 | 401 026 4605 | CARBON 33K JA 1/6W |
| R815 | 401 024 6700 | CARBON 100 JA 1/6W |
| R816 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R817 | 401 027 8602 | CARBON 8.2K JA 1/6W |
| R818 | 401 038 9308 | MT-GLAZE 68K JA 1/10W |
| R819 | 401 025 7805 | CARBON 2.2K JA 1/6W |
| R820 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R821 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R822 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R823 | 401 025 7805 | CARBON 2.2K JA 1/6W |

| Ref. No. | Part No. | Description |
|---|---|---|
| R824 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R825 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R832 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R838 | 401 037 8005 | MT-GLAZE 15K JA 1/10W |
| R839 | 401 026 4605 | CARBON 33K JA 1/6W |
| R840 | 401 026 9600 | CARBON 470 JA 1/6W |
| R841 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R842 | 401 026 9907 | CARBON 4.7K JA 1/6W |
| R843 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R844 | 401 037 6803 | MT-GLAZE 12K JA 1/10W |
| R845 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R846 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R847 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R848 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R851 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R852 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R853 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R861 | 401 038 2101 | MT-GLAZE 2.7K JA 1/10W |
| R862 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R863 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R864 | 401 039 0304 | MT-GLAZE 820 JA 1/10W |
| R865 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R866 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R867 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R868 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R869 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R870 | 401 025 8208 | CARBON 22K JA 1/6W |
| R871 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R872 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R873 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R874 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R875 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R876 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R877 | 401 039 0403 | MT-GLAZE 8.2K JA 1/10W |
| R878 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R879 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R880 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R884 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R885 | 401 038 5102 | MT-GLAZE 3.9K JA 1/10W |
| R886 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R887 | 401 038 5102 | MT-GLAZE 3.9K JA 1/10W |
| R888 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R889 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R892 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R895 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |

**VARIABLE RESISTOR**

| | | |
|---|---|---|
| VR131 | 645 006 5422 | VR,SEMI,10K N |
| | 610 239 7567 | VR B-10K |
| VR361 | 645 006 5422 | VR,SEMI,10K N |
| | 610 239 7567 | VR B-10K |
| VR501 | 645 006 5408 | VR,SEMI,100 N |
| | 610 232 7908 | VR,SEMI,100 N |
| VR641 | 645 006 5514 | VR,SEMI,2.2K N |
| | 610 239 7581 | VR B-2K |

**TRANSFORMER**

| | | |
|---|---|---|
| T101 | 610 037 4508 | S COIL |
| T141 | 610 037 4522 | S COIL |
| T431 | 610 000 1053 | DRIVE TRANS |
| | 610 000 1060 | DRIVE TRANS |
| ⚠T451 | 645 014 2987 | TRANS,FLYBACK |
| ⚠T611 | 645 015 7646 | TRANS,POWER,PULSE |
| | 645 018 9425 | TRANS,POWER,PULSE |
| ⚠T681 | 610 033 3758 | POWER TRANS |
| | 610 240 4722 | POWER TRANS |

**COIL**

| | | |
|---|---|---|
| L001 | 645 008 5635 | INDUCTOR,12U K |
| L002 | 645 008 5635 | INDUCTOR,12U K |
| L003 | 645 002 1787 | CORE,PIPE |
| L1002 | 645 002 1787 | CORE,PIPE |

| Ref. No. | Part No. | Description |
|---|---|---|
| L1003 | 645 001 4567 | INDUCTOR,10U K |
| L1004 | 645 001 4567 | INDUCTOR,10U K |
| L1005 | 645 001 4567 | INDUCTOR,10U K |
| L1006 | 645 001 4567 | INDUCTOR,10U K |
| L101 | 645 001 4567 | INDUCTOR,10U K |
| L102 | 645 008 2863 | INDUCTOR,4.7U K |
| L1022 | 645 002 1787 | CORE,PIPE |
| L1023 | 645 001 4567 | INDUCTOR,10U K |
| L1024 | 645 001 4567 | INDUCTOR,10U K |
| L1025 | 645 001 4567 | INDUCTOR,10U K |
| L1026 | 645 001 4567 | INDUCTOR,10U K |
| L1027 | 645 008 2863 | INDUCTOR,4.7U K |
| L1101 | 645 001 4567 | INDUCTOR,10U K |
| L1102 | 645 001 4567 | INDUCTOR,10U K |
| L1103 | 645 008 2863 | INDUCTOR,4.7U K |
| L151 | 645 003 9713 | INDUCTOR,15U K |
| L152 | 645 003 9782 | INDUCTOR,22U K |
| L201 | 645 001 4567 | INDUCTOR,10U K |
| L202 | 645 001 4567 | INDUCTOR,10U K |
| L203 | 645 001 4567 | INDUCTOR,10U K |
| L231 | 645 008 2863 | INDUCTOR,4.7U K |
| L232 | 645 008 2863 | INDUCTOR,4.7U K |
| L432 | 645 002 1787 | CORE,PIPE |
| L441A | 610 000 0605 | LINEARITY COIL |
| | 610 210 8071 | LINEARITY COIL |
| L442 | 610 000 0278 | COIL |
| | 610 205 1117 | COIL |
| L501 | 645 008 5642 | INDUCTOR,3.3U K |
| ⚠L601 | 645 012 3337 | LINE FILTER |
| L607 | 610 237 1000 | PIPE CORE |
| L608 | 610 237 1000 | PIPE CORE |
| L641 | 645 002 1787 | CORE,PIPE |
| L642 | 645 002 1787 | CORE,PIPE |
| L643 | 645 002 1787 | CORE,PIPE |
| L871 | 645 008 0203 | INDUCTOR,5.6U K |
| L881 | 645 001 4697 | INDUCTOR,1.5U M |
| **DIODE** | | |
| D1005 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1007 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1008 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1010 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1011 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1021 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1022 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1023 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1024 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1026 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1027 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1101 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1201 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D135 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1901-1 | 610 255 3956 | HOLDER LED-E7GC |
| D1901A | 407 120 9706 | LED LN28RPL |
| D1903 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1905 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D201 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D202 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D203 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D210 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D221 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D222 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D271 | 407 053 6407 | ZENER DIODE MTZ5.1C |
| | 407 056 8200 | ZENER DIODE RD5.1EB3 |
| | 407 163 8209 | ZENER DIODE UZ-5.1BCC |
| D361 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D431 | 407 053 8708 | ZENER DIODE MTZ9.1A |
| | 407 053 8807 | ZENER DIODE MTZ9.1B |
| | 407 057 9602 | ZENER DIODE RD9.1EB1 |
| | 407 057 9701 | ZENER DIODE RD9.1EB2 |
| | 407 163 9909 | ZENER DIODE UZ-9.1BCA |
| | 407 162 2703 | ZENER DIODE UZ-9.1BCB |
| D432 | 407 005 7308 | DIODE EM01Z |
| D442 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D445 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D446 | 407 151 9003 | ZENER DIODE UZ-7.5BCC |
| | 407 151 9102 | ZENER DIODE UZ-8.2BCA |
| D481 | 407 007 7405 | DIODE EU1 |
| D482 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D501 | 407 005 7308 | DIODE EM01Z |
| | 408 009 9008 | DIODE BYD33D |
| D502 | 407 118 2207 | ZENER DIODE 1Z75 |
| D603 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D604 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D605 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D606 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D614 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| ⚠D615 | 407 105 8700 | PHOTO COUPLE PC113B |
| | 408 009 8407 | PHOTO COUPLE CNY17F-3OPT6 |
| D616 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D617 | 407 007 6606 | DIODE ES1 |
| | 407 007 6903 | DIODE ES1Z |
| | 408 009 9008 | DIODE BYD33D |
| D618 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D619 | 407 053 3000 | ZENER DIODE MTZ11C |
| | 407 054 1807 | ZENER DIODE RD11EB3 |
| D641 | 407 007 7702 | DIODE EU2A |
| D642 | 407 007 7603 | DIODE EU2 |
| | 407 007 7801 | DIODE EU2Z |
| D643 | 407 166 2303 | DIODE ERC91-02L |

| Ref. No. | Part No. | Description |
|---|---|---|
| D644 | 407 166 2303 | DIODE ERC91-02L |
| D645 | 407 053 7206 | ZENER DIODE MTZ6.2C |
| | 407 053 7503 | ZENER DIODE MTZ6.8A |
| | 407 057 2801 | ZENER DIODE RD6.2EB3 |
| | 407 057 4003 | ZENER DIODE RD6.8EB1 |
| D647 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D652 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D654 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D655 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D661 | 409 013 0104 | IC HZT33 |
| | 409 026 8005 | IC L5630 |
| | 409 057 5103 | IC UPC574J |
| D681 | 407 005 7308 | DIODE EM01Z |
| D682 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D683 | 407 005 7308 | DIODE EM01Z |
| D684 | 408 007 8607 | DIODE 1N4148 |
| | 407 013 1206 | DIODE 1S1555 |
| D685 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D831 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D861 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D871 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D872 | 407 055 7907 | ZENER DIODE RD3.6EL |

**MISCELLANEOUS**

| | | |
|---|---|---|
| ⚠F601 | 423 022 2102 | FUSE 250V 4A |
| A101 | 645 009 5993 | TUNER,U |
| A1901 | 645 007 1546 | UNIT,REMOCON RECEIVER |
| | 610 224 5806 | RC PREAMP 409-1L |
| TP-A | 645 008 4058 | TERMINAL,PLUG |
| TP-B | 645 008 4058 | TERMINAL,PLUG |
| TP-D | 645 008 4058 | TERMINAL,PLUG |
| TP-E | 645 008 4058 | TERMINAL,PLUG |
| K001 | 645 005 5706 | JACK,PHONE D3.6 |
| | 645 006 4708 | JACK,PHONE D3.6 |
| K10B | 645 004 2911 | PLUG,5P |
| K1001 | 645 005 5867 | SOCKET,RGB 21P |
| | 610 234 3779 | SOCKET 21P |
| K1001Z | 610 261 2813 | MOUNTING-BRKT F2WV |
| K1002 | 645 005 5867 | SOCKET,RGB 21P |
| | 610 234 3779 | SOCKET 21P |
| K1002Z | 610 261 2813 | MOUNTING-BRKT F2WV |
| K11A | 645 004 2881 | PLUG,2P |
| K1101 | 645 016 6433 | JACK,RCA-3 |
| ⚠PS601 | 408 003 6805 | THERMISTOR 902P44E180MR14 |
| | 408 015 1904 | THERMISTOR PA3A5180B270 |
| SW1901 | 610 011 4432 | SWITCH,PUSH |
| SW1902 | 610 011 4432 | SWITCH,PUSH |
| SW1903 | 610 011 4432 | SWITCH,PUSH |
| SW1904 | 610 011 4432 | SWITCH,PUSH |
| SW501 | 610 011 2728 | SWITCH,LEVER 1P-3T |
| ⚠SW601 | 645 017 0928 | SWITCH,PUSH POWER 2P-2T |
| X131 | 421 002 4702 | SAW F TSF5322 |
| | 421 003 6705 | SAW F TSF5322U |
| X151 | 610 015 2885 | TRAP,CERAMIC 6.0MHZ |
| X161 | 645 003 2813 | CERAMIC FILTER |
| X201 | 610 249 5577 | CRYSTAL OSCILLATOR |
| X871 | 645 015 8339 | OSC,CRYSTAL 12MHZ |

## ASSY,PWB,MAIN F2RCS 1AA0B10H01800

**(IS THE SAME AS ASSY,PWB,MAIN F2RCV 1AA0B10E21700 EXCEPT THE FOLLOWING PARTS)**

**CAPACITOR**

| | | | | |
|---|---|---|---|---|
| C421 | 404 063 4201 | MT-POLYPRO | 8600P J | 1.5K |
| C441 | CN2D304JBEANN | POLYPRO | 0.03U J | 200V |

**COIL**

| | |
|---|---|
| L442 | N/A |

**RESISTOR**

| | | | | | |
|---|---|---|---|---|---|
| R506 | 401 026 7002 | CARBON | 3.9K | JA | 1/6W |
| R507 | 401 025 1308 | CARBON | 150 | JA | 1/6W |
| R508 | 401 026 4308 | CARBON | 3.3K | JA | 1/6W |
| R521 | 402 064 4404 | FUSIBLE RES | 10 | J- | 1W |

## ASSY,PWB,MAIN F2VCV 1AA0B10E21900

**TRANSISTOR**

| | | |
|---|---|---|
| Q001 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1001 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q1002 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1003 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1004 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1005 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1041 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1042 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q1043 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1201 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |

| Ref. No. | Part No. | Description | | |
|---|---|---|---|---|
| C209 | 403 069 1702 | CERAMIC | 1000P K | 50V |
| C212 | 403 049 9803 | ELECT | 2.2U M | 50V |
| C215 | 403 270 3908 | MT-POLYEST | 0.47U K | 63V |
| | 403 256 0808 | MT-COMPO | 0.47U J | 50V |
| C222 | 404 045 6605 | NP-ELECT | 2.2U M | 50V |
| C226 | 403 138 1602 | ELECT | 1U M | 100V |
| C231 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C232 | 403 014 9203 | CERAMIC | 180P J | 50V |
| C233 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C234 | 403 013 3004 | CERAMIC | 150P J | 50V |
| C235 | 403 008 7406 | CERAMIC | 10P D | 50V |
| C271 | 403 069 1702 | CERAMIC | 1000P K | 50V |
| C272 | 403 069 1702 | CERAMIC | 1000P K | 50V |
| C273 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C274 | 403 041 8804 | ELECT | 10U M | 16V |
| C351 | 403 270 2901 | MT-POLYEST | 0.1U K | 63V |
| | 403 237 8007 | MT-COMPO | 0.1U J | 50V |
| C352 | 403 270 3809 | MT-POLYEST | 0.047U K | 63V |
| | 403 225 2703 | MT-COMPO | 0.047U J | 50V |
| C353 | 403 073 9107 | CERAMIC | 4700P K | 50V |
| C354 | 403 049 0008 | ELECT | 1U M | 50V |
| C361 | 403 072 5605 | CERAMIC | 2700P K | 50V |
| C362 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C363 | 403 042 2405 | ELECT | 100U M | 16V |
| ⚠C421 | 404 046 8806 | MT-POLYPRO | 6200P J | 1.5K |
| C422 | 403 083 4901 | POLYPRO | 0.027U J | 400V |
| ⚠C423 | 404 046 9001 | MT-POLYPRO | 5100P J | 1.5K |
| C424 | 403 083 4307 | POLYPRO | 0.022U J | 400V |
| C430 | 403 075 7101 | CERAMIC | 1000P K | 500V |
| C431 | 403 068 5602 | CERAMIC | 0.056U Z | 25V |
| C432 | 403 075 7101 | CERAMIC | 1000P K | 500V |
| C433 | 403 076 3102 | CERAMIC | 3900P K | 500V |
| C434 | 403 229 1207 | ELECT | 47U M | 35V |
| C437 | 403 066 6106 | MT-POLYEST | 0.47U J | 250V |
| C438 | 403 057 0601 | POLYESTER | 0.01U K | 50V |
| | 403 179 3801 | POLYESTER | 0.01U K | 50V |
| ⚠C441 | 403 083 5106 | POLYPRO | 0.27U J | 400V |
| C445 | 403 049 4204 | ELECT | 10U M | 50V |
| C462 | 403 049 0008 | ELECT | 1U M | 50V |
| C463 | 403 270 2901 | MT-POLYEST | 0.1U K | 63V |
| | 403 237 8007 | MT-COMPO | 0.1U J | 50V |
| C464 | 403 270 3700 | MT-POLYEST | 0.39U K | 63V |
| | 403 255 8904 | MT-COMPO | 0.39U J | 50V |
| C465 | 403 066 0104 | MT-POLYEST | 2.2U K | 100V |
| | 403 158 9107 | MT-POLYEST | 2.2U K | 100V |
| C467 | 403 040 3701 | ELECT | 220U M | 10V |
| C468 | 403 045 5809 | ELECT | 22U M | 25V |
| C470 | 403 069 8305 | CERAMIC | 0.01U Z | 50V |
| C481 | 403 076 1405 | CERAMIC | 2700P K | 500V |
| C482 | 403 159 7409 | MT-POLYEST | 0.1U K | 250V |
| C501 | 403 054 1502 | ELECT | 470U M | 35V |
| C502 | 403 053 2104 | ELECT | 220U M | 35V |
| C503 | 403 024 2102 | CERAMIC | 39P J | 50V |
| C504 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C505 | 403 075 7101 | CERAMIC | 1000P K | 500V |
| C506 | 403 183 7901 | MT-POLYEST | 0.1U K | 100V |
| | 403 256 4806 | MT-COMPO | 0.1U J | 100V |
| C511 | 403 183 7901 | MT-POLYEST | 0.1U K | 100V |
| | 403 256 4806 | MT-COMPO | 0.1U J | 100V |
| C512 | 403 148 0701 | ELECT | 2200U M | 25V |
| C513 | 403 049 4204 | ELECT | 10U M | 50V |
| C514 | 403 049 4204 | ELECT | 10U M | 50V |
| C600 | 403 076 4000 | CERAMIC | 4700P K | 500V |
| ⚠C601 | 404 047 3602 | MT-POLYEST | 0.1U M | 125V |
| | 404 044 0901 | MT-COMPO | 0.1U M | 250V |
| ⚠C602 | 404 047 3602 | MT-POLYEST | 0.1U M | 125V |
| | 404 044 0901 | MT-COMPO | 0.1U M | 250V |
| C603 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C604 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C605 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C606 | 403 312 8205 | CERAMIC | 1000P K | 1K |
| | 403 076 7100 | CERAMIC | 1000P M | 1K |
| C607 | 404 047 1608 | ELECT | 270U M | 400V |
| | 404 069 6001 | ELECT | 270U M | 400V |
| C613 | 403 061 8303 | POLYESTER | 4700P K | 50V |
| | 403 179 1104 | POLYESTER | 4700P K | 50V |
| C614 | 403 270 2901 | MT-POLYEST | 0.1U K | 63V |
| | 403 237 8007 | MT-COMPO | 0.1U J | 50V |
| C615 | 403 058 2604 | POLYESTER | 0.015U J | 50V |
| | 403 179 3207 | POLYESTER | 0.015U J | 50V |
| C616 | 403 165 6205 | CERAMIC | 1000P K | 2K |
| | 403 232 1102 | CERAMIC | 1000P K | 2K |
| C617 | 403 059 6205 | POLYESTER | 0.022U K | 50V |
| | 403 179 2408 | POLYESTER | 0.022U K | 50V |
| ⚠C631 | 404 060 6505 | CERAMIC | 2200P M | 400V |
| | 404 071 4200 | CERAMIC | 2200P M | 400V |
| | 404 060 6604 | CERAMIC | 2200P M | 400V |
| C640 | 403 069 8305 | CERAMIC | 0.01U Z | 50V |
| C641 | 403 165 9305 | CERAMIC | 680P K | 1K |
| | 403 262 4401 | CERAMIC | 680P K | 1K |
| C642 | 404 055 9801 | ELECT | 220U M | 200V |
| C643 | 403 148 2002 | ELECT | 470U M | 35V |
| C644 | 403 148 0701 | ELECT | 2200U M | 25V |
| C645 | 403 158 1309 | ELECT | 2200U M | 35V |
| C651 | 403 148 0305 | ELECT | 470U M | 16V |
| C652 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C653 | 403 043 9106 | ELECT | 47U M | 16V |
| C655 | 403 126 4400 | ELECT | 100U M | 10V |
| C661 | 403 051 0607 | ELECT | 4.7U M | 50V |
| C681 | 403 190 4702 | ELECT | 1000U M | 25V |
| C682 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C683 | 403 147 9606 | ELECT | 1000U M | 10V |
| C684 | 403 050 6600 | ELECT | 3.3U M | 50V |
| C802 | 403 270 3809 | MT-POLYEST | 0.047U K | 63V |
| | 403 225 2703 | MT-COMPO | 0.047U J | 50V |
| C812 | 403 049 0008 | ELECT | 1U M | 50V |
| C814 | 403 049 0008 | ELECT | 1U M | 50V |
| C816 | 403 046 9905 | ELECT | 4.7U M | 25V |
| C818 | 403 046 9905 | ELECT | 4.7U M | 25V |
| C841 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C861 | 403 138 5600 | POLYESTER | 5600P J | 50V |
| | 403 179 0800 | POLYESTER | 5600P J | 50V |
| C871 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C872 | 403 043 9106 | ELECT | 47U M | 16V |
| C873 | 403 018 0503 | CERAMIC | 22P J | 50V |
| C874 | 403 018 0503 | CERAMIC | 22P J | 50V |
| C875 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C878 | 403 073 9107 | CERAMIC | 4700P K | 50V |
| C879 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C881 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C882 | 403 041 8804 | ELECT | 10U M | 16V |
| C883 | 403 018 0503 | CERAMIC | 22P J | 50V |
| C884 | 403 018 0503 | CERAMIC | 22P J | 50V |
| **RESISTOR** | | | | |
| R001 | 401 037 5400 | MT-GLAZE | 1K JA | 1/10W |
| R002 | 401 038 5102 | MT-GLAZE | 3.9K JA | 1/10W |
| R003 | 401 037 5400 | MT-GLAZE | 1K JA | 1/10W |
| R004 | 401 038 5102 | MT-GLAZE | 3.9K JA | 1/10W |
| R005 | 401 019 9600 | CARBON | 47 JA | 1/4W |
| R006 | 401 014 4105 | CARBON | 1.5K JA | 1/4W |
| R007 | 401 019 9600 | CARBON | 47 JA | 1/4W |
| R008 | 401 014 4105 | CARBON | 1.5K JA | 1/4W |
| R009 | 401 010 1504 | CARBON | 4.7 JA | 1/2W |
| R010 | 401 010 1504 | CARBON | 4.7 JA | 1/2W |
| R011 | 401 007 7601 | CARBON | 150 JA | 1/2W |

| Ref. No. | Part No. | Description |
|---|---|---|
| R012 | 401 007 7601 | CARBON 150 JA 1/2W |
| R013 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R014 | 401 025 7409 | CARBON 220 JA 1/6W |
| R015 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R016 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R017 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R100 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1001 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1002 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1003 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1004 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1005 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1006 | 401 038 5300 | MT-GLAZE 39K JA 1/10W |
| R1007 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R1008 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1009 | 401 027 6608 | CARBON 75 JA 1/6W |
| R101 | 401 038 6208 | MT-GLAZE 47 JA 1/10W |
| R1010 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1011 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R1012 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1013 | 401 024 6700 | CARBON 100 JA 1/6W |
| R1014 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1015 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R1016 | 401 019 1000 | CARBON 390 JA 1/4W |
| R1017 | 401 024 7400 | CARBON 10K JA 1/6W |
| R1018 | 401 038 3504 | MT-GLAZE 330 JA 1/10W |
| R1021 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1022 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1023 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1024 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1025 | 401 038 5300 | MT-GLAZE 39K JA 1/10W |
| R1026 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R1027 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1028 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1029 | 401 025 1308 | CARBON 150 JA 1/6W |
| R1031 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1032 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1033 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R1041 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R1042 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1043 | 401 039 0304 | MT-GLAZE 820 JA 1/10W |
| R1044 | 401 039 0304 | MT-GLAZE 820 JA 1/10W |
| R1045 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1046 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1047 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R1051 | 401 037 8104 | MT-GLAZE 150K JA 1/10W |
| R1052 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1053 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R1054 | 401 037 8104 | MT-GLAZE 150K JA 1/10W |
| R1055 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1056 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R108 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1101 | 401 027 6608 | CARBON 75 JA 1/6W |
| R1102 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R1103 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1104 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1105 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1106 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1111 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1200 | 401 022 1905 | CARBON 680 JA 1/4W |
| R1201 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R1202 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R1203 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1204 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R1205 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R1206 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R1207 | 401 024 7400 | CARBON 10K JA 1/6W |
| R1208 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1209 | 401 024 7400 | CARBON 10K JA 1/6W |
| R121 | 401 027 0309 | CARBON 47K JA 1/6W |
| R131 | 401 038 0909 | MT-GLAZE 220K JA 1/10W |
| R132 | 401 038 0909 | MT-GLAZE 220K JA 1/10W |
| R133 | 401 037 9101 | MT-GLAZE 180 JA 1/10W |
| R134 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R135 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R137 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R138 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R141 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R150 | 401 024 7004 | CARBON 1K JA 1/6W |
| R151 | 401 022 1905 | CARBON 680 JA 1/4W |
| R152 | 401 026 3905 | CARBON 330 JA 1/6W |
| R153 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R154 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R155 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R156 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R157 | 401 039 0908 | MT-GLAZE 910 JA 1/10W |
| R158 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R159 | 401 022 1905 | CARBON 680 JA 1/4W |
| R161 | 401 026 3905 | CARBON 330 JA 1/6W |
| R162 | 401 037 9101 | MT-GLAZE 180 JA 1/10W |
| R163 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R164 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R165 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R166 | 401 024 7004 | CARBON 1K JA 1/6W |
| R171 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R172 | 401 025 7409 | CARBON 220 JA 1/6W |
| R173 | 401 025 7409 | CARBON 220 JA 1/6W |
| R1900 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R1901 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1901A | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1902 | 401 039 0403 | MT-GLAZE 8.2K JA 1/10W |
| R1902A | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1903 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R1903A | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1904 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R1905 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1906 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1907 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1908 | 401 038 9001 | MT-GLAZE 680 JA 1/10W |
| R1909 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R1911 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R1921 | 401 037 6605 | MT-GLAZE 120 JA 1/10W |
| R1922 | 401 038 5003 | MT-GLAZE 390 JA 1/10W |
| R1924 | 401 027 5502 | CARBON 6.8K JA 1/6W |
| R1926 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R2001 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R2002 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2004 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R2005 | 401 026 7002 | CARBON 3.9K JA 1/6W |
| R201 | 401 039 0403 | MT-GLAZE 8.2K JA 1/10W |
| R202 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R203 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R204 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R205 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R206 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R207 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R208 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R211 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R212 | 401 027 5502 | CARBON 6.8K JA 1/6W |
| R213 | 401 037 8005 | MT-GLAZE 15K JA 1/10W |
| R214 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R215 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R216 | 401 025 8208 | CARBON 22K JA 1/6W |
| R217 | 401 025 8208 | CARBON 22K JA 1/6W |
| R218 | 401 038 7809 | MT-GLAZE 56K JA 1/10W |
| R223 | 401 014 0305 | CARBON 130K JA 1/4W |
| R224 | 401 024 7004 | CARBON 1K JA 1/6W |
| R226 | 401 026 7408 | CARBON 39K JA 1/6W |
| R227 | 401 024 7400 | CARBON 10K JA 1/6W |
| R231 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R232 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R271 | 401 024 6700 | CARBON 100 JA 1/6W |
| R272 | 401 024 9008 | CARBON 120 JA 1/6W |
| R351 | 401 024 6700 | CARBON 100 JA 1/6W |

| Ref. No. | Part No. | Description |
|---|---|---|
| | 407 056 9801 | ZENER DIODE RD5.6EB1 |
| | 407 163 9602 | ZENER DIODE UZ-5.6BCA |
| D465 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D466 | 407 077 9705 | ZENER DIODE MTZ20A |
| | 407 055 1707 | ZENER DIODE RD20EB1 |
| | 407 164 7805 | ZENER DIODE UZ-20BCA |
| D469 | 407 007 7405 | DIODE EU1 |
| D481 | 407 007 7405 | DIODE EU1 |
| D482 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D501 | 407 005 7308 | DIODE EM01Z |
| | 408 009 9008 | DIODE BYD33D |
| D502 | 407 118 2207 | ZENER DIODE 1Z75 |
| D603 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D604 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D605 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D606 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D614 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| ⚠D615 | 407 105 8700 | PHOTO COUPLE PC113B |
| | 408 009 8407 | PHOTO COUPLE CNY17F-3OPT6 |
| D616 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D617 | 407 007 6606 | DIODE ES1 |
| | 407 007 6903 | DIODE ES1Z |
| | 408 009 9008 | DIODE BYD33D |
| D618 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D619 | 407 053 3000 | ZENER DIODE MTZ11C |
| | 407 054 1807 | ZENER DIODE RD11EB3 |
| D641 | 407 009 8806 | DIODE RU3AM |
| D642 | 407 007 7603 | DIODE EU2 |
| | 407 007 7801 | DIODE EU2Z |
| D643 | 407 166 2303 | DIODE ERC91-02L |
| D644 | 407 166 2303 | DIODE ERC91-02L |
| D645 | 407 053 7206 | ZENER DIODE MTZ6.2C |
| | 407 053 7503 | ZENER DIODE MTZ6.8A |
| | 407 057 2801 | ZENER DIODE RD6.2EB3 |
| | 407 057 4003 | ZENER DIODE RD6.8EB1 |
| D647 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D648 | 407 053 4007 | ZENER DIODE MTZ16C |
| | 407 054 7205 | ZENER DIODE RD16EB3 |
| | 407 164 7201 | ZENER DIODE UZ-16BCC |
| D652 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D654 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D655 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D661 | 409 013 0104 | IC HZT33 |
| | 409 026 8005 | IC L5630 |
| | 409 057 5103 | IC UPC574J |
| D681 | 407 005 7308 | DIODE EM01Z |
| D682 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D683 | 407 005 7308 | DIODE EM01Z |
| D684 | 408 007 8607 | DIODE 1N4148 |
| | 407 013 1206 | DIODE 1S1555 |
| D685 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D831 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D861 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D871 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D872 | 407 055 7907 | ZENER DIODE RD3.6EL |
| **MISCELLANEOUS** | | |
| ⚠F601 | 423 022 2102 | FUSE 250V 4A |
| A101 | 645 009 5993 | TUNER,U |
| A1901 | 645 007 1546 | UNIT,REMOCON RECEIVER |
| | 610 224 5806 | RC PREAMP 409-1L |
| TP-A | 645 008 4058 | TERMINAL,PLUG |
| TP-B | 645 008 4058 | TERMINAL,PLUG |
| TP-D | 645 008 4058 | TERMINAL,PLUG |
| TP-E | 645 008 4058 | TERMINAL,PLUG |
| K001 | 645 005 5706 | JACK,PHONE D3.6 |
| | 645 006 4708 | JACK,PHONE D3.6 |
| K10B | 645 004 2911 | PLUG,5P |
| K1001 | 645 005 5867 | SOCKET,RGB 21P |
| | 610 234 3779 | SOCKET 21P |
| K1001Z | 610 261 2813 | MOUNTING-BRKT F2WV |
| K1002 | 645 005 5867 | SOCKET,RGB 21P |
| | 610 234 3779 | SOCKET 21P |
| K1002Z | 610 261 2813 | MOUNTING-BRKT F2WV |
| K11A | 645 004 2881 | PLUG,2P |
| K1101 | 645 016 6433 | JACK,RCA-3 |
| ⚠PS601 | 408 013 3801 | TH PTH451C262BF140M270 |
| SW1901 | 610 011 4432 | SWITCH,PUSH |
| SW1902 | 610 011 4432 | SWITCH,PUSH |
| SW1903 | 610 011 4432 | SWITCH,PUSH |
| SW1904 | 610 011 4432 | SWITCH,PUSH |
| SW501 | 610 011 2728 | SWITCH,LEVER 1P-3T |
| ⚠SW601 | 645 017 0928 | SWITCH,PUSH POWER 2P-2T |
| X131 | 421 002 4702 | SAW F TSF5322 |
| | 421 003 6705 | SAW F TSF5322U |
| X151 | 610 015 2885 | TRAP,CERAMIC 6.0MHZ |
| X161 | 645 003 2813 | CERAMIC FILTER |
| X201 | 610 249 5577 | CRYSTAL OSCILLATOR |
| X871 | 645 015 8339 | OSC,CRYSTAL 12MHZ |

## ASSY,PWB,MAIN F2WCV 1AA0B10E22500

| | | |
|---|---|---|
| TRANSISTOR | | |
| Q001 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1001 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q1002 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1003 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1004 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |

| Ref. No. | Part No. | Description |
|---|---|---|
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1005 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1041 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1042 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q1043 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1201 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1202 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1203 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q1204 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q121 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q151 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q152 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q153 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q154 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q161 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |

| Ref. No. | Part No. | Description |
|---|---|---|
| | 405 019 3804 | TR 2SC536-G-NP |
| Q162 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q171 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q2001 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q201 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q202 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q203 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q431 | 405 018 0507 | TR 2SC3332-R |
| | 405 018 0606 | TR 2SC3332-S |
| Q432 | 405 095 0209 | TR 2SD1556-3E |
| Q461 | 405 064 7307 | TR 2SB1274-Q-RA |
| | 405 064 7406 | TR 2SB1274-R-RA |
| | 405 064 7505 | TR 2SB1274-S-RA |
| | 405 139 1100 | TR 2SB1565-D RA |
| | 405 139 1209 | TR 2SB1565-E RA |
| | 405 139 1308 | TR 2SB1565-F RA |
| Q462 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q501 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q611 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q612 | 405 058 0208 | TR 2SC3807-R-CTV-YA |
| Q613 | 405 095 0407 | TR 2SC4429-L-YB |
| | 405 095 0308 | TR 2SC4429-M-YB |
| Q641 | 406 007 2106 | TR JC546A |
| | 406 007 2007 | TR JC546B |
| | 405 019 1909 | TR 2SC536-E-NP |
| | 405 019 2708 | TR 2SC536-F-NP |
| | 405 019 3804 | TR 2SC536-G-NP |
| Q652 | 405 023 4903 | TR 2SD400-D-MP |
| | 405 023 5009 | TR 2SD400-E-MP |
| | 405 023 5306 | TR 2SD400-F-MP |
| Q681 | 405 059 9804 | TR 2SD1913-Q-RA |
| | 405 059 9903 | TR 2SD1913-R-RA |
| | 405 060 0005 | TR 2SD1913-S-RA |
| Q682 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |

| Ref. No. | Part No. | Description |
|---|---|---|
| R865 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R866 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R867 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R868 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| R869 | 401 038 2200 | MT-GLAZE 27K JA 1/10W |
| R870 | 401 025 8208 | CARBON 22K JA 1/6W |
| R871 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R872 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R873 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R874 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R875 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R876 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R877 | 401 039 0403 | MT-GLAZE 8.2K JA 1/10W |
| R878 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R879 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R880 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R884 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R885 | 401 038 5102 | MT-GLAZE 3.9K JA 1/10W |
| R886 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R887 | 401 038 5102 | MT-GLAZE 3.9K JA 1/10W |
| R888 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R889 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R892 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W |
| R895 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| **VARIABLE RESISTOR** | | |
| VR131 | 645 006 5422 | VR,SEMI,10K N |
| | 610 239 7567 | VR B-10K |
| VR361 | 645 006 5422 | VR,SEMI,10K N |
| | 610 239 7567 | VR B-10K |
| VR462 | 645 006 5606 | VR,SEMI,4.7K N |
| | 610 232 8455 | VR,SEMI,5K N |
| VR501 | 645 006 5408 | VR,SEMI,100 N |
| | 610 232 7908 | VR,SEMI,100 N |
| VR641 | 645 006 5514 | VR,SEMI,2.2K N |
| | 610 239 7581 | VR B-2K |
| **TRANSFORMER** | | |
| T101 | 610 037 4508 | S COIL |
| T141 | 610 037 4522 | S COIL |
| T431 | 610 000 1077 | DRIVE TRANS |
| ⚠T451 | 645 003 3094 | TRANS,FLYBACK |
| T611 | 645 015 7653 | TRANS,POWER,PULSE |
| | 645 015 7677 | TRANS,POWER,PULSE |
| ⚠T681 | 610 033 3758 | POWER TRANS |
| | 610 240 4722 | POWER TRANS |
| **COIL** | | |
| L001 | 645 008 5635 | INDUCTOR,12U K |
| L002 | 645 008 5635 | INDUCTOR,12U K |
| L003 | 645 002 1787 | CORE,PIPE |
| L1002 | 645 002 1787 | CORE,PIPE |
| L1003 | 645 001 4567 | INDUCTOR,10U K |
| L1004 | 645 001 4567 | INDUCTOR,10U K |
| L1005 | 645 001 4567 | INDUCTOR,10U K |
| L1006 | 645 001 4567 | INDUCTOR,10U K |
| L101 | 645 001 4567 | INDUCTOR,10U K |
| L102 | 645 008 2863 | INDUCTOR,4.7U K |
| L1022 | 645 002 1787 | CORE,PIPE |
| L1023 | 645 001 4567 | INDUCTOR,10U K |
| L1024 | 645 001 4567 | INDUCTOR,10U K |
| L1025 | 645 001 4567 | INDUCTOR,10U K |
| L1026 | 645 001 4567 | INDUCTOR,10U K |
| L1027 | 645 008 2863 | INDUCTOR,4.7U K |
| L1101 | 645 001 4567 | INDUCTOR,10U K |
| L1102 | 645 001 4567 | INDUCTOR,10U K |
| L1103 | 645 008 2863 | INDUCTOR,4.7U K |
| L151 | 645 003 9713 | INDUCTOR,15U K |
| L152 | 645 003 9782 | INDUCTOR,22U K |
| L201 | 645 001 4567 | INDUCTOR,10U K |
| L202 | 645 001 4567 | INDUCTOR,10U K |
| L203 | 645 001 4567 | INDUCTOR,10U K |

| Ref. No. | Part No. | Description |
|---|---|---|
| L231 | 645 008 2863 | INDUCTOR,4.7U K |
| L232 | 645 008 2863 | INDUCTOR,4.7U K |
| L431 | 645 008 5628 | INDUCTOR,1U M |
| L432 | 645 002 1787 | CORE,PIPE |
| L441 | 610 000 1046 | LINEARITY COIL |
| L442 | 610 219 0342 | COIL |
| L461 | 610 031 1367 | INDUCTOR 202J |
| | 610 211 3488 | INDUCTOR |
| | 645 005 5645 | INDUCTOR,2200U K |
| | 645 007 8361 | INDUCTOR,2000U |
| L462 | 610 000 0261 | COIL |
| | 610 208 3781 | COIL |
| | 645 013 8676 | INDUCTOR,350U |
| L501 | 645 008 5642 | INDUCTOR,3.3U K |
| ⚠L601 | 645 017 1260 | LINE FILTER |
| L607 | 610 237 1000 | PIPE CORE |
| L608 | 610 237 1000 | PIPE CORE |
| L641 | 645 002 1787 | CORE,PIPE |
| L642 | 645 002 1787 | CORE,PIPE |
| L643 | 645 002 1787 | CORE,PIPE |
| L871 | 645 008 0203 | INDUCTOR,5.6U K |
| L881 | 645 001 4697 | INDUCTOR,1.5U M |
| **DIODE** | | |
| D1005 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1007 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1008 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1010 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1011 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1021 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1022 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1023 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1024 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1026 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1027 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1101 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1201 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D135 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1901A | 407 116 6504 | LED SLP-181B-51 |
| D1903 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D1905 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D201 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D202 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D203 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D210 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D221 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D222 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |

| Ref. No. | Part No. | Description |
|---|---|---|
| D271 | 407 053 6407 | ZENER DIODE MTZ5.1C |
| | 407 056 8200 | ZENER DIODE RD5.1EB3 |
| | 407 163 8209 | ZENER DIODE UZ-5.1BCC |
| D352 | 407 057 8308 | ZENER DIODE RD8.2EB2 |
| | 407 164 5207 | ZENER DIODE UZ-8.2BCB |
| D361 | 407 063 8309 | ZENER DIODE MTZJ11C |
| | 407 158 3400 | ZENER DIODE UZ-11BSC |
| D431 | 407 053 8708 | ZENER DIODE MTZ9.1A |
| | 407 053 8807 | ZENER DIODE MTZ9.1B |
| | 407 057 9602 | ZENER DIODE RD9.1EB1 |
| | 407 057 9701 | ZENER DIODE RD9.1EB2 |
| | 407 163 9909 | ZENER DIODE UZ-9.1BCA |
| | 407 162 2703 | ZENER DIODE UZ-9.1BCB |
| D432 | 407 005 7308 | DIODE EM01Z |
| D438 | 407 095 8001 | DIODE ERD07-15L |
| D439 | 407 006 4108 | DIODE ERB44-04 |
| D442 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D445 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D446 | 407 151 9003 | ZENER DIODE UZ-7.5BCC |
| | 407 151 9102 | ZENER DIODE UZ-8.2BCA |
| D464 | 407 053 6605 | ZENER DIODE MTZ5.6A |
| | 407 056 9801 | ZENER DIODE RD5.6EB1 |
| | 407 163 9602 | ZENER DIODE UZ-5.6BCA |
| D465 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D466 | 407 077 9705 | ZENER DIODE MTZ20A |
| | 407 055 1707 | ZENER DIODE RD20EB1 |
| | 407 164 7805 | ZENER DIODE UZ-20BCA |
| D469 | 407 007 7405 | DIODE EU1 |
| D481 | 407 007 7405 | DIODE EU1 |
| D482 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D501 | 407 005 7308 | DIODE EM01Z |
| | 408 009 9008 | DIODE BYD33D |
| D502 | 407 118 2207 | ZENER DIODE 1Z75 |
| D603 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D604 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D605 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D606 | 407 006 6300 | DIODE ERC05-10B |
| | 407 009 6901 | DIODE RM11C |
| D614 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| ⚠D615 | 407 105 8700 | PHOTO COUPLE PC113B |
| | 408 009 8407 | PHOTO COUPLE CNY17F-3OPT6 |
| D616 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D617 | 407 007 6606 | DIODE ES1 |
| | 407 007 6903 | DIODE ES1Z |
| | 408 009 9008 | DIODE BYD33D |
| D618 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D619 | 407 053 3000 | ZENER DIODE MTZ11C |
| | 407 054 1807 | ZENER DIODE RD11EB3 |
| D641 | 407 009 8806 | DIODE RU3AM |
| D642 | 407 007 7603 | DIODE EU2 |
| | 407 007 7801 | DIODE EU2Z |
| D643 | 407 166 2303 | DIODE ERC91-02L |
| D644 | 407 166 2303 | DIODE ERC91-02L |
| D645 | 407 053 7206 | ZENER DIODE MTZ6.2C |
| | 407 053 7503 | ZENER DIODE MTZ6.8A |
| | 407 057 2801 | ZENER DIODE RD6.2EB3 |
| | 407 057 4003 | ZENER DIODE RD6.8EB1 |
| D647 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D648 | 407 053 4007 | ZENER DIODE MTZ16C |
| | 407 054 7205 | ZENER DIODE RD16EB3 |
| | 407 164 7201 | ZENER DIODE UZ-16BCC |
| D652 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D654 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D655 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D661 | 409 013 0104 | IC HZT33 |
| | 409 026 8005 | IC L5630 |
| | 409 057 5103 | IC UPC574J |
| D681 | 407 005 7308 | DIODE EM01Z |
| D682 | 407 053 6803 | ZENER DIODE MTZ5.6C |
| | 407 057 0104 | ZENER DIODE RD5.6EB3 |
| | 407 151 8501 | ZENER DIODE UZ-5.6BCC |
| D683 | 407 005 7308 | DIODE EM01Z |
| D684 | 408 007 8607 | DIODE 1N4148 |
| | 407 013 1206 | DIODE 1S1555 |
| D685 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D831 | 407 005 4505 | DIODE DS442X |
| | 407 013 1008 | DIODE 1S1553 |
| | 407 013 4306 | DIODE 1S2076A |
| | 407 013 6508 | DIODE 1S2471 |
| D861 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D871 | 407 012 4406 | DIODE 1SS133 |
| | 407 012 5809 | DIODE 1SS176 |
| D872 | 407 055 7907 | ZENER DIODE RD3.6EL |
| **MISCELLANEOUS** | | |
| ⚠F601 | 423 022 2102 | FUSE 250V 4A |
| A101 | 645 009 5993 | TUNER,U |
| A1901 | 645 007 1546 | UNIT,REMOCON RECEIVER |
| | 610 224 5806 | RC PREAMP 409-1L |
| TP-A | 645 008 4058 | TERMINAL,PLUG |
| TP-B | 645 008 4058 | TERMINAL,PLUG |
| TP-D | 645 008 4058 | TERMINAL,PLUG |
| TP-E | 645 008 4058 | TERMINAL,PLUG |
| K001 | 645 005 5706 | JACK,PHONE D3.6 |
| | 645 006 4708 | JACK,PHONE D3.6 |
| K10B | 645 004 2911 | PLUG,5P |
| K1001 | 645 005 5867 | SOCKET,RGB 21P |
| | 610 234 3779 | SOCKET 21P |
| K1001Z | 610 261 2813 | MOUNTING-BRKT F2WV |
| K1002 | 645 005 5867 | SOCKET,RGB 21P |
| | 610 234 3779 | SOCKET 21P |
| K1002Z | 610 261 2813 | MOUNTING-BRKT F2WV |
| K11A | 645 004 2881 | PLUG,2P |
| K1101 | 645 016 6433 | JACK,RCA-3 |
| ⚠PS601 | 408 013 3801 | TH PTH451C262BF140M270 |
| SW1901 | 610 011 4432 | SWITCH,PUSH |
| SW1902 | 610 011 4432 | SWITCH,PUSH |
| SW1903 | 610 011 4432 | SWITCH,PUSH |
| SW1904 | 610 011 4432 | SWITCH,PUSH |
| SW501 | 610 011 2728 | SWITCH,LEVER 1P-3T |
| ⚠SW601 | 645 017 0928 | SWITCH,PUSH POWER 2P-2T |
| X131 | 421 002 4702 | SAW F TSF5322 |
| | 421 003 6705 | SAW F TSF5322U |
| X151 | 610 015 2885 | TRAP,CERAMIC 6.0MHZ |
| X161 | 645 003 2813 | CERAMIC FILTER |
| X201 | 610 249 5577 | CRYSTAL OSCILLATOR |
| X871 | 645 015 8339 | OSC,CRYSTAL 12MHZ |

| Ref. No. | Part No. | Description |
|---|---|---|

## ASSY,PWB,MAIN F2WCM 1AA0B10H015E0

**(IS THE SAME AS ASSY,PWB,MAIN F2WCV 1AA0B10E22500 EXCEPT THE FOLLOWING PARTS)**

**CAPACITOR**

| | | | | |
|---|---|---|---|---|
| C422 | 403 083 4307 | POLYPRO | 0.022U J | 400V |
| C423 | 404 046 8905 | MT-POLYPRO | 5400P J | 1.5K |
| C424 | 403 083 3904 | POLYPRO | 0.018U J | 400V |
| C511 | 403 188 0709 | MT-POLYEST | 0.27U K | 100V |

**RESISTOR**

| | | | | |
|---|---|---|---|---|
| R451 | 401 061 0808 | OXIDE-MT | 3.9 JA | 1W |
| R463 | 401 025 1605 | CARBON | 1.5K JA | 1/6W |
| R505 | 401 027 5502 | CARBON | 6.8K JA | 1/6W |
| R506 | 401 017 1804 | CARBON | 2.7K JA | 1/4W |
| R507 | 401 025 3807 | CARBON | 180 JA | 1/6W |
| R508 | 401 025 7805 | CARBON | 2.2K JA | 1/6W |
| R509 | 401 057 6807 | OXIDE-MT | 0.68 JA | 1W |
| R511 | 401 059 2807 | OXIDE-MT | 150 JA | 1W |
| R512 | 401 010 7605 | CARBON | 560 JA | 1/2W |
| R513 | 401 063 1001 | OXIDE-MT | 680 JA | 1W |
| R682 | 401 069 1708 | OXIDE-MT | 68 JA | 2W |
| R800 | 401 016 3849 | CARBON | 2.2K JA | 1/4W |
| R864 | 401 039 0314 | MT-GLAZE | 820 JA | 1/10W |

**COIL**

| | | |
|---|---|---|
| L441 | 6100000964 | LINEARITY COIL |
| L442 | N/A | |
| L462 | 645 005 7014 | INDUCTOR 430UH |

**TRANSFORMER**

| | | |
|---|---|---|
| ⚠T451 | 1AV4L40B05900 | TRANS,FLYBACK |

**MISCELLANEOUS**

| | |
|---|---|
| Y03 | N/A |
| Y07 | N/A |

## ASSY,PWB,SIF F2RC 1AA0B10E23000

**TRANSISTOR**

| | | |
|---|---|---|
| Q3801 | 405 015 9701 | TR 2SC2814-F4-TA |
| | 405 015 9909 | TR 2SC2814-F5-TA |
| Q3802 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |

**INTEGRATED CIRCUIT**

| | | |
|---|---|---|
| IC3801 | 409 290 4307 | IC TDA2545A/V4 |

**CAPACITOR**

| | | | | |
|---|---|---|---|---|
| C3802 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3803 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3804 | 403 073 9107 | CERAMIC | 4700P K | 50V |
| C3805 | 403 166 8000 | MT-POLYEST | 0.33U J | 63V |
| | 403 260 2904 | MT-COMPO | 0.33U J | 50V |
| C3806 | 403 028 4102 | CERAMIC | 56P J | 50V |
| C3807 | 403 041 8804 | ELECT | 10U M | 16V |
| C3808 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |

**RESISTOR**

| | | | | |
|---|---|---|---|---|
| R3802 | 401 037 5202 | MT-GLAZE | 100 JA | 1/10W |
| R3803 | 401 037 5608 | MT-GLAZE | 10K JA | 1/10W |
| R3804 | 401 037 9200 | MT-GLAZE | 1.8K JA | 1/10W |
| R3805 | 401 038 3504 | MT-GLAZE | 330 JA | 1/10W |
| R3806 | 401 038 7502 | MT-GLAZE | 56 JA | 1/10W |
| R3807 | 401 039 0304 | MT-GLAZE | 820 JA | 1/10W |
| R3808 | 401 038 7601 | MT-GLAZE | 560 JA | 1/10W |

**TRANSFORMER**

| | | |
|---|---|---|
| T3801 | 610 037 4522 | S COIL |

**MISCELLANEOUS**

| | | |
|---|---|---|
| K38H1 | 610 012 4561 | TERMINAL 4P |
| K38H2 | 610 012 4561 | TERMINAL 4P |

| Ref. No. | Part No. | Description |
|---|---|---|
| X3801 | 421 002 4405 | SAW F TSB5303 |

## ASSY,PWB,AUDIO F2RC 1AA0B10E23000

**TRANSISTOR**

| | | |
|---|---|---|
| Q1251 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |
| Q1252 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |
| Q3431 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |
| Q3432 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |
| Q3481 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |
| Q3482 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |
| Q3483 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |
| Q3484 | 405 109 4407 | TR BC848-B |
| | 405 015 8704 | TR 2SC2812-L6-TA |

**INTEGRATED CIRCUIT**

| | | |
|---|---|---|
| IC1251 | 409 009 2501 | IC HD14052BP |
| | 409 120 7607 | IC MN4052B |
| | 409 051 2801 | IC TC4052BP |
| | 409 059 2209 | IC UPD4052BC |
| IC3431 | 409 316 4601 | IC TDA8424 |
| IC3451 | QSAA7283ZPM2 | IC SAA7283ZP/M2 |

**CAPACITOR**

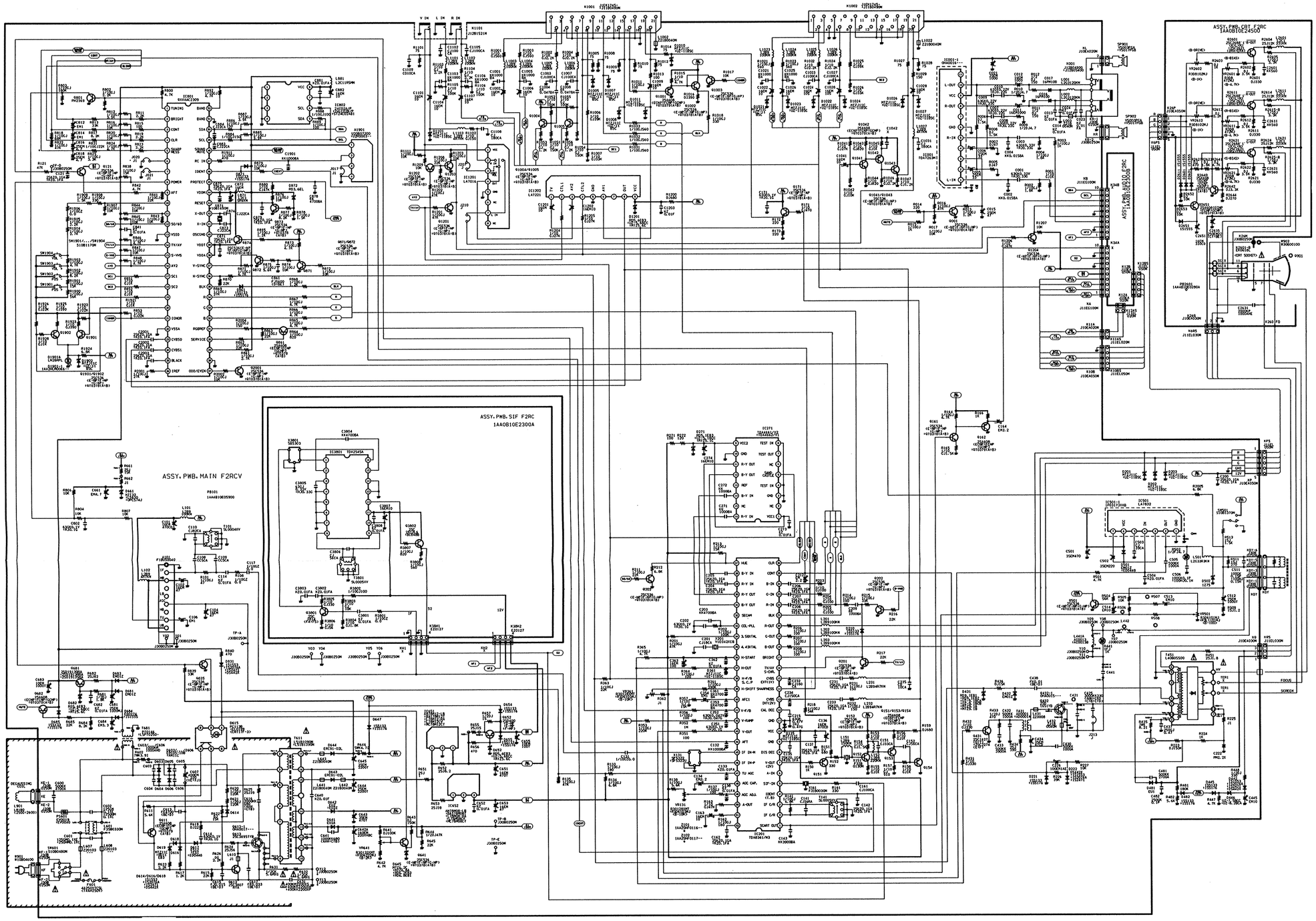
| | | | | |
|---|---|---|---|---|
| C1251 | 403 041 8804 | ELECT | 10U M | 16V |
| C3431 | 403 049 0008 | ELECT | 1U M | 50V |
| C3432 | 403 042 2405 | ELECT | 100U M | 16V |
| C3433 | 403 049 0008 | ELECT | 1U M | 50V |
| C3434 | 403 068 0409 | CERAMIC | 0.1U Z | 25V |
| | 403 070 2606 | CERAMIC | 0.1U Z | 50V |
| C3435 | 403 068 3202 | CERAMIC | 0.033U K | 25V |
| | 403 073 1200 | CERAMIC | 0.033U K | 50V |
| C3436 | 403 074 7607 | CERAMIC | 5600P K | 50V |
| C3437 | 403 074 7607 | CERAMIC | 5600P K | 50V |
| C3438 | 403 068 3202 | CERAMIC | 0.033U K | 25V |
| | 403 073 1200 | CERAMIC | 0.033U K | 50V |
| C3458 | 403 073 3501 | CERAMIC | 390P K | 50V |
| C3461 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3462 | 403 041 8804 | ELECT | 10U M | 16V |
| C3463 | 403 008 7406 | CERAMIC | 10P D | 50V |
| C3464 | 403 041 8804 | ELECT | 10U M | 16V |
| C3465 | 403 018 7403 | CERAMIC | 220P J | 50V |
| C3466 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3467 | 403 041 8804 | ELECT | 10U M | 16V |
| C3468 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3469 | 403 049 0008 | ELECT | 1U M | 50V |
| C3471 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3472 | 403 041 8804 | ELECT | 10U M | 16V |
| C3473 | 403 072 1607 | CERAMIC | 0.022U K | 50V |
| C3474 | 403 192 5905 | CERAMIC | 0.1U K | 25V |
| | 403 070 0909 | CERAMIC | 0.1U K | 50V |
| C3475 | 403 026 2803 | CERAMIC | 47P J | 50V |
| C3476 | 403 026 2803 | CERAMIC | 47P J | 50V |
| C3477 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3478 | 403 048 6308 | ELECT | 0.47U M | 50V |
| C3480 | 403 192 5905 | CERAMIC | 0.1U K | 25V |
| | 403 070 0909 | CERAMIC | 0.1U K | 50V |
| C3481 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3482 | 403 043 9106 | ELECT | 47U M | 16V |
| C3483 | 403 069 9500 | CERAMIC | 0.01U Z | 50V |
| C3484 | 403 043 9106 | ELECT | 47U M | 16V |

| Ref. No. | Part No. | Description |
|---|---|---|
| C3485 | 403 049 0008 | ELECT 1U M 50V |
| C3486 | 403 049 0008 | ELECT 1U M 50V |
| C3487 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C3488 | 403 043 9106 | ELECT 47U M 16V |
| C3490 | 403 009 5708 | CERAMIC 100P J 50V |
| C3491 | 403 130 3604 | CERAMIC 0.047U K 25V |
| | 403 130 3109 | CERAMIC 0.047U K 50V |
| C3492 | 403 041 8804 | ELECT 10U M 16V |
| C3493 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C3494 | 403 043 9106 | ELECT 47U M 16V |
| **RESISTOR** | | |
| R1251 | 401 038 2101 | MT-GLAZE 2.7K JA 1/10W |
| R1252 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R1253 | 401 039 0502 | MT-GLAZE 82K JA 1/10W |
| R1254 | 401 039 0502 | MT-GLAZE 82K JA 1/10W |
| R1257 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R1258 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R1262 | 401 039 0502 | MT-GLAZE 82K JA 1/10W |
| R1264 | 401 039 0502 | MT-GLAZE 82K JA 1/10W |
| R1265 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R1266 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R3431 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3432 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3433 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3434 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R3435 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3436 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| R3451 | 645 008 2221 | INDUCTOR,2.2U K |
| R3461 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R3462 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3463 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R3464 | 401 038 6505 | MT-GLAZE 47K JA 1/10W |
| R3465 | 401 037 5806 | MT-GLAZE 1M JA 1/10W |
| R3466 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R3467 | 401 038 9407 | MT-GLAZE 680K JA 1/10W |
| R3468 | 401 037 9200 | MT-GLAZE 1.8K JA 1/10W |
| R3469 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R3471 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3472 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3473 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R3474 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R3475 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R3476 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R3481 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R3482 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| **COIL** | | |
| L3451 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| L3452 | 645 008 2221 | INDUCTOR,2.2U K |
| L3454 | 645 008 2221 | INDUCTOR,2.2U K |
| L3455 | 645 008 2221 | INDUCTOR,2.2U K |
| L3461 | 645 008 1996 | INDUCTOR,10U J |
| **DIODE** | | |
| D3461 | 407 169 7909 | VARACTOR DI BBY31 |
| D3462 | 407 004 8009 | DIODE DSB015-TA |
| **MISCELLANEOUS** | | |
| K12A | 645 004 2881 | PLUG,2P |
| K12B | 645 004 2911 | PLUG,5P |
| K34A | 645 008 3341 | PLUG,10P |
| K34B | 645 008 3341 | PLUG,10P |
| X3461 | 645 007 7449 | OSC,CRYSTAL 8.192MHZ |

## ASSY,PWB,CRT F2RC 1AA0B10E24500

| | | |
|---|---|---|
| **TRANSISTOR** | | |
| Q2601 | 405 041 6507 | TR 2SC2621-D-RA |
| | 405 041 6705 | TR 2SC2621-E-RA |
| | 405 066 9903 | TR 2SC2688(1)-K |
| | 405 067 0008 | TR 2SC2688(1)-L |
| | 405 067 0107 | TR 2SC2688(1)-M |
| Q2611 | 405 041 6507 | TR 2SC2621-D-RA |
| | 405 041 6705 | TR 2SC2621-E-RA |
| | 405 066 9903 | TR 2SC2688(1)-K |
| | 405 067 0008 | TR 2SC2688(1)-L |
| | 405 067 0107 | TR 2SC2688(1)-M |
| Q2621 | 405 041 6507 | TR 2SC2621-D-RA |
| | 405 041 6705 | TR 2SC2621-E-RA |
| | 405 066 9903 | TR 2SC2688(1)-K |
| | 405 067 0008 | TR 2SC2688(1)-L |
| | 405 067 0107 | TR 2SC2688(1)-M |
| Q2640 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| Q2651 | 406 007 1901 | TR JC556A |
| | 406 007 1802 | TR JC556B |
| | 405 004 4205 | TR 2SA608-E-CTV-NP |
| | 405 004 4809 | TR 2SA608-F-CTV-NP |
| | 405 028 7909 | TR 2SA608-G-CTV-NP |
| **CAPACITOR** | | |
| C2601 | 403 074 5702 | CERAMIC 560P K 50V |
| C2611 | 403 074 5702 | CERAMIC 560P K 50V |
| C2621 | 403 074 5702 | CERAMIC 560P K 50V |
| C2631 | 403 077 2708 | CERAMIC 1000P P 2K |
| C2635 | 403 055 8401 | ELECT 22U M 250V |
| | 403 260 0405 | ELECT 22U M 250V |
| C2651 | 403 201 5001 | ELECT 330U M 16V |
| **RESISTOR** | | |
| R2601 | 401 018 2800 | CARBON 330 JA 1/4W |
| R2602 | 401 019 1901 | CARBON 3.9K JA 1/4W |
| R2603 | 401 012 5708 | CARBON 1K JA 1/4W |
| R2604 | 401 065 4604 | OXIDE-MT 12K JA 2W |
| R2605 | 401 009 6602 | CARBON 3.3K JA 1/2W |
| R2611 | 401 018 2800 | CARBON 330 JA 1/4W |
| R2612 | 401 019 1901 | CARBON 3.9K JA 1/4W |
| R2613 | 401 016 3809 | CARBON 2.2K JA 1/4W |
| R2614 | 401 065 4604 | OXIDE-MT 12K JA 2W |
| R2615-B | 401 009 6602 | CARBON 3.3K JA 1/2W |
| R2621 | 401 018 2800 | CARBON 330 JA 1/4W |
| R2622 | 401 019 1901 | CARBON 3.9K JA 1/4W |
| R2623 | 401 015 2704 | CARBON 1.8K JA 1/4W |
| R2624 | 401 065 4604 | OXIDE-MT 12K JA 2W |
| R2625-B | 401 009 6602 | CARBON 3.3K JA 1/2W |
| R2627 | 401 020 0801 | CARBON 470 JA 1/4W |
| R2641 | 401 020 2003 | CARBON 4.7K JA 1/4W |
| R2642 | 401 018 3807 | CARBON 3.3K JA 1/4W |
| R2644 | 401 017 0807 | CARBON 270 JA 1/4W |
| R2652 | 401 012 7009 | CARBON 10K JA 1/4W |
| R2653 | 401 012 7009 | CARBON 10K JA 1/4W |
| **VARIABLE RESISTOR** | | |
| VR2601 | 645 003 5722 | VR,SEMI,4.7K N |
| VR2602 | 645 003 5647 | VR,SEMI,1K N |
| VR2611 | 645 003 5722 | VR,SEMI,4.7K N |
| VR2612 | 645 003 5647 | VR,SEMI,1K N |
| VR2621 | 645 003 5722 | VR,SEMI,4.7K N |
| **COIL** | | |
| L2601 | 645 008 0012 | INDUCTOR,330U K |
| L2611 | 645 008 0012 | INDUCTOR,330U K |
| L2621 | 645 008 0012 | INDUCTOR,330U K |
| DIODE | | |
| D2601 | 407 013 1206 | DIODE 1S1555 |
| D2611 | 407 013 1206 | DIODE 1S1555 |
| D2621 | 407 013 1206 | DIODE 1S1555 |

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|---|---|---|---|---|---|
| D2651 | 407 013 1206 | DIODE 1S1555 | | | |
| **MISCELLANEOUS** | | | | | |
| K26M | 645 008 4058 | TERMINAL,PLUG | | | |
| K26P | 645 004 2911 | PLUG,5P | | | |
| K26Q | 645 004 2898 | PLUG,3P | | | |
| ⚠K2601-B | 610 233 7990 | CRT SOCKET | | | |




## Waveforms on ICs and Transistors

| | | | | |
|---|---|---|---|---|
| IC201-pin7 <CVBS out> | IC201-pin15 <CVBS in> | IC201-pin18 <B out> | IC201-pin19 <G out> | IC201-pin20 <R out> |
| IC201-pin28 <B-Y out> | IC201-pin29 <R-Y out> | IC201-pin37 <H out> | IC201-pin38 <H FB> | IC201-pin41 <H FB> |
| IC201-pin42 <V ramp> | IC201-pin43 <V out> | Q431-C <H drive> | Q432-C <H out> | Q461-E <Pcc> |
| IC501-pin4 <V in> | IC501-pin2 <V out> | Q611-C <Power amp> | Q612-C <Power drive> | Q613-C <power out> |
| IC801-pin36 <CPU H in> | IC801-pin37 <CPU V in> | Q2601-C <Video out B> | Q2611-C <Video out R> | Q2621-C <Video out G> |
| IC3811-pin8 <Sound out> | | | | |

### Voltage on ICs

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC001 | | | | | | | | | | | | | | | |
| 1 | 1.6V | 2 | 1.6V | 3 | 15.5V | 4 | 1.6V | 5 | 1.6V | 6 | 0V | 7 | - | 8 | 13.8V | 9 | 26.6V |
| 10 | 14.0V | 11 | 0V | | | | | | | | | | | | | | |
| IC201 | | | | | | | | | | | | | | | | | |
| 1 | 3.1V | 2 | 6.0V | 3 | 6.0V | 4 | 6.1V | 5 | 0V | 6 | 4.0V | 7 | 3.1V | 8 | 1.6V | 9 | 0V |
| 10 | 8.0V | 11 | 0V | 12 | 3.6V | 13 | 4.4V | 14 | 3.2V | 15 | 3.9V | 16 | 0V | 17 | 3.4V | 18 | 2.5V |
| 19 | 2.5V | 20 | 2.5V | 21 | 0.2V | 22 | 3.4V | 23 | 3.4V | 24 | 3.4V | 25 | 2.9V | 26 | 1.6V | 27 | 5.6V |
| 28 | 4.0V | 29 | 4.0V | 30 | 1.5V | 31 | 1.5V | 32 | 0V | 33 | 4.9V | 34 | 3.5V | 35 | 2.6V | 36 | 8.0V |
| 37 | 0.9V | 38 | 0.7V | 39 | 3.0V | 40 | 4.0V | 41 | 2.5V | 42 | 0V | 43 | 0.9V | 44 | 4.1V | 45 | 4.1V |
| 46 | 4.1V | 47 | 7.0V | 48 | 3.1V | 49 | 1.6V | 50 | 3.6V | 51 | 4.3V | 52 | 6.7V | | | | |
| IC271 | | | | | | | | | | | | | | | | | |
| 1 | 5.3V | 2 | 0V | 3 | 0V | 4 | 0V | 5 | 0.7V | 6 | 0V | 7 | 0V | 8 | 0V | 9 | 5.2V |
| 10 | 0V | 11 | 3.1V | 12 | 3.1V | 13 | 0V | 14 | 1.3V | 15 | 0V | 16 | 1.3V | | | | |
| IC601 | | | | | | | | | | | | | | | | | |
| 1 | 0V | 2 | 13.4V | 3 | 25.3V | 4 | 0.7V | 5 | 0.7V | 6 | 25.2V | 7 | 2.1V | | | | |
| IC651 | | | | | | IC652 | | | | | | | | | | | |
| 1 | 14.5V | 2 | 0V | 3 | 11.9V | 1 | 10.5V | 2 | 0V | 3 | 8.0V | | | | | | |
| IC801 | | | | | | | | | | | | | | | | | |
| 1 | 0.6V | 2 | 2.4V | 3 | 3.7V | 4 | 1.8V | 5 | 2.1V | 6 | 0V | 7 | 0V | 8 | 0V | 9 | 2.6V |
| 10 | 0.6V | 11 | 2.5V | 12 | 0V | 13 | 0V | 14 | 3.7V | 15 | 0V | 16 | 0V | 17 | 0V | 18 | 2.5V |
| 19 | 0V | 20 | 0V | 21 | 0V | 22 | 0V | 23 | 2.2V | 24 | 0.2V | 25 | 2.0V | 26 | 2.3V | 27 | 0V |
| 28 | 0V | 29 | 5.0V | 30 | 5.0V | 31 | 5.0V | 32 | 0V | 33 | 0V | 34 | 0V | 35 | 0V | 36 | 0.6V |
| 37 | 0.2V | 38 | 4.9V | 39 | 4.9V | 40 | 0V | 41 | 2.1V | 42 | 2.4V | 43 | 0V | 44 | 4.9V | 45 | 4.7V |
| 46 | 5.4V | 47 | 5.0V | 48 | 0V | 49 | 4.8V | 50 | 4.8V | 51 | 0V | 52 | 2.9V | | | | |
| IC802 | | | | | | | | | | | | | | | | | |
| 1 | 0V | 2 | 0V | 3 | 0V | 4 | 0V | 5 | 4.8V | 6 | 4.8V | 7 | 0V | 8 | 5.0V | | |
| IC810 | | | | | | | | | | | | | | | | | |
| 1 | 0V | 2 | 11.8V | 3 | 2.0V | 4 | 0V | 5 | 0V | 6 | 11.3V | 7 | 2.2V | 8 | 0V | 9 | 11.7V |
| IC1201 | | | | | | | | | | | | | | | | | |
| 1 | 11.8V | 2 | 7.8V | 3 | 0V | 4 | 7.1V | 5 | 0V | 6 | 0V | 7 | 7.7V | 8 | 0V | | |
| IC1205 | | | | | | | | | | | | | | | | | |
| 1 | 3.0V | 2 | 2.0V | 3 | 6.0V | 4 | 0V | 5 | 0V | 6 | 2.7V | 7 | 0V | 8 | 1.7V | 9 | 5.7V |
| IC1251 | | | | | | | | | | | | | | | | | |
| 1 | 8.4V | 2 | 8.4V | 3 | 5.0V | 4 | 8.4V | 5 | 0V | 6 | 0V | 7 | 0V | 8 | 0V | 9 | 0V |
| 10 | 11.9V | 11 | 0.0V | 12 | 8.4V | 13 | 8.4V | 14 | 8.4V | 15 | 11.9V | | | | | | |
| IC3401 | | | | | | | | | | | | | | | | | |
| 1 | 4.8V | 2 | 3.4V | 3 | 2.7V | 4 | 2.5V | 5 | 2.5V | 6 | 2.6V | 7 | 2.5V | 8 | 2.5V | 9 | 2.5V |
| 10 | 2.5V | 11 | 2.5V | 12 | 2.5V | 13 | 2.5V | 14 | 2.5V | 15 | 2.5V | 16 | 0V | 17 | 2.5V | 18 | 5.1V |
| 19 | 3.3V | 20 | 4.9V | | | | | | | | | | | | | | |
| IC3431 | | | | | | | | | | | | | | | | | |
| 1 | 5.8V | 2 | 11.7V | 3 | 5.8V | 4 | 11.8V | 5 | 0V | 6 | 0V | 7 | 5.8V | 8 | 5.8V | 9 | 5.8V |
| 10 | 0V | 11 | 4.8V | 12 | 4.8V | 13 | 5.8V | 14 | 5.8V | 15 | 5.8V | 16 | 5.8V | 17 | 0V | 18 | 0V |
| 19 | 0V | 20 | 0V | | | | | | | | | | | | | | |
| IC3451 | | | | | | | | | | | | | | | | | |
| 1 | 0V | 2 | 0.3V | 3 | 5.1V | 4 | 0V | 5 | 2.5V | 6 | 0.4V | 7 | 2.5V | 8 | 2.5V | 9 | 0V |
| 10 | 0V | 11 | 2.5V | 12 | 0V | 13 | 0V | 14 | 0V | 15 | 2.5V | 16 | 2.5V | 17 | 0.4V | 18 | 4.4V |
| 19 | 0V | 20 | 2.3V | 21 | 2.5V | 22 | 2.5V | 23 | 2.4V | 24 | 0V | 25 | 2.5V | 26 | 5.0V | 27 | 2.4V |
| 28 | 2.2V | 29 | 2.2V | 30 | 2.3V | 31 | 2.3V | 32 | 0.3V | 33 | 2.3V | 34 | 2.3V | 35 | 2.3V | 36 | 4.7V |
| 37 | 0V | 38 | 4.9V | 39 | 2.0V | 40 | 3.4V | 41 | 4.8V | 42 | 0V | 43 | 2.0V | 44 | 0V | 45 | 2.4V |
| 46 | 4.8V | 47 | 4.7V | 48 | 2.0V | 49 | 4.8V | 50 | 0V | 51 | 4.0V | 52 | 0V | | | | |
| IC3801 | | | | | | | | | | | | | | | | | |
| 1 | 4.5V | 2 | 4.8V | 3 | 6.0V | 4 | 0V | 5 | 0V | 6 | 0V | 7 | 0V | 8 | 5.3V | 9 | 5.3V |
| 10 | 0V | 11 | 11.9V | 12 | 5.9V | 13 | 0V | 14 | 0V | 15 | 4.5V | 16 | 4.5V | | | | |
| IC3811 | | | | | | | | | | | | | | | | | |
| 1 | 2.5V | 2 | 0V | 3 | 0V | 4 | 0V | 5 | 0V | 6 | 0V | 7 | 2.2V | 8 | 2.2V | 9 | 2.2V |
| 10 | 2.2V | 11 | 2.6V | 12 | 4.3V | 13 | 0V | 14 | 5.1V | 15 | 2.5V | 16 | 0V | | | | |

### Voltage on Transistors

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q001 | | | Q121 | | | Q151 | | | Q152 | | | Q153 | | | Q154 | | | Q171 | | | Q201 | | | Q202 | | |
| E | 0V | E | E | 2.8V | E | E | 3.8V | E | E | 3.2V | E | E | 9.3V | E | E | 3.1V | E | E | 2.5V | E | C | 0V | E | C | 0V |
| C | 18.5V | C | C | 0.0V | C | C | 0V | C | C | 0.0V | C | C | 0.0V | C | C | 0.0V | C | C | 11.8V | C | E | 0.4V | C | E | 0.4V |
| B | 0.1V | B | B | 3.3V | B | B | 3.2V | B | B | 0V | B | B | 8.7V | B | B | 2.4V | B | B | 3.1V | B | B | 0.6V | B | B | 0V |
| Q203 | | | Q431 | | | Q432 | | | Q461 | | | Q462 | | | Q501 | | | Q611 | | | Q612 | | | Q613 | | |
| E | E | 0V | E | E | 0V | E | E | 0V | E | E | 12.9V | E | E | 0V | E | E | 0V | E | E | 10.6V | E | E | 0V | E | E | 0V |
| C | C | 6.0V | C | C | 10.8V | C | C | - | C | C | 0V | C | C | 12.9V | C | C | 4.7V | C | C | -1.4V | C | C | -1.1V | C | C | - |
| B | B | 0.6V | B | B | 0V | B | B | 0V | B | B | 13.5V | B | B | 0.0V | B | B | 0V | B | B | 10.5V | B | B | -1.4V | B | B | -1.1V |
| Q641 | | | Q652 | | | Q661 | | | Q662 | | | Q801 | | | Q835 | | | Q861 | | | Q871 | | | Q872 | | |
| E | E | 6.3V | E | E | 5.2V | E | E | 5.0V | E | E | 5.0V | E | E | 0V | E | E | 0V | E | E | 5.0V | E | E | 0V | E | E | 0V |
| C | C | 29.5V | C | C | 29.5V | C | C | 7.5V | C | C | 0.1V | C | C | 2.0V | C | C | 29.4V | C | C | 2.5V | C | C | 6.3V | C | C | 0.2V |
| B | B | 6.7V | B | B | 5.8V | B | B | 5.7V | B | B | 0.0V | B | B | 0.0V | B | B | 0V | B | B | 0.1V | B | B | 0.0V | B | B | 0.6V |
| Q873 | | | Q874 | | | Q875 | | | Q1001 | | | Q1002 | | | Q1003 | | | Q1004 | | | Q1005 | | | Q1201 | | |
| E | E | 0V | E | E | 4.8V | E | E | 0V | E | E | 0.6V | E | E | 0.1V | E | E | 0V | E | E | 5.0V | E | E | 5.0V | E | E | 0V |
| C | C | 0V | C | C | 4.8V | C | C | 4.7V | C | C | 0.0V | C | C | 11.8V | C | C | 0.6V | C | C | 11.9V | C | C | 11.9V | C | C | 0.6V |
| B | B | 0.8V | B | B | 5.6V | B | B | 0V | B | B | 0V | B | B | 0.6V | B | B | 0V | B | B | 5.6V | B | B | 5.6V | B | B | 0.6V |
| Q1202 | | | Q1203 | | | Q1204 | | | Q1241 | | | Q1242 | | | Q1243 | | | Q1251 | | | Q1252 | | | Q1901 | | |
| E | E | 0V | E | E | 0V | E | E | 0V | E | E | 2.4V | E | E | 10.0V | E | E | 3.4V | E | E | 7.7V | E | E | 7.5V | E | E | 1.8V |
| C | C | 0V | C | C | 0V | C | C | 11.9V | C | C | 8.4V | C | C | 4.0V | C | C | 11.9V | C | C | 11.9V | C | C | 11.9V | C | C | 5.0V |
| B | B | 0V | B | B | 0V | B | B | 0V | B | B | 3.0V | B | B | 9.4V | B | B | 4.0V | B | B | 8.4V | B | B | 8.4V | B | B | 0.2V |
| Q1902 | | | Q2001 | | | Q2501 | | | Q2611 | | | Q2621 | | | Q2642 | | | Q2651 | | | Q3431 | | | Q3432 | | |
| E | E | 0V | E | E | 0V | E | E | 1.6V | E | E | 1.6V | E | E | 1.5V | E | E | 1.5V | E | E | 11.8V | E | E | 5.2V | E | E | 5.2V |
| C | C | 8.0V | C | C | 13.2V | C | C | 134.9V | C | C | 137.1V | C | C | 143.8V | C | C | 0V | C | C | 0V | C | C | 11.9V | C | C | 11.9V |
| B | B | 0.6V | B | B | 0V | B | B | 2.2V | B | B | 2.2V | B | B | 2.2V | B | B | 0.6V | B | B | 11.9V | B | B | 5.9V | B | B | 5.9V |
| Q3481 | | | Q3482 | | | Q3483 | | | Q3484 | | | Q3801 | | | Q3802 | | | | | | | | | | | |
| E | E | 1.9V | E | E | 7.7V | E | E | 1.9V | E | E | 7.7V | E | E | 0.7V | E | E | 5.2V | | | | | | | | | |
| C | C | 8.4V | C | C | 11.9V | C | C | 8.4V | C | C | 11.9V | C | C | 6.1V | C | C | 11.9V | | | | | | | | | |
| B | B | 2.5V | B | B | 8.4V | B | B | 2.5V | B | B | 8.4V | B | B | 1.4V | B | B | 5.9V | | | | | | | | | |

# COLOUR TELEVISION
# TELEVISIONE A COLORI

**SANYO**

CHASSIS SERIES **EB4**

Model **21DN1**
**C21EF45NB**

Part No. SKP20085

**The service Precaution:**
The area enclosed by this line( ⟿ ) is directly connected with AC mains voltage. When servicing the area, connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

**Product safety notice:**
Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a mark ⚠ in this circuit diagram show components whose values have special significance to product safety. It is particularly recommended that only parts specified on the part service manual be used for components replacement pointed out by the mark.

**PRECAUZIONE DI SERVIZIO**
L'area inclusa in questa linea ( ⟿ ) è collegata direttamente con la tensione della rete CA quando si serve l'area collegare un trasformatore isolante tra il ricevitore TV e la linea CA per eliminare il pericolo di scossa elettrica.

**NOTIZIE SULLA SICUREZZA DI FUNZIONAMENTO**
Ogni sottiuzione di componenti va fatta tenendo conto della sicurezza di funzionamento. I componenti indicati sollo schema con il simbolo ⚠ hanno particolare importanza per il sicuro funzionamento del TV.
I suddetti componenti devono essere sostituti esclusivamente con quelli indicati nell'elenco.

**Circuit diagram notes :**
1. All resistance values are in ohms, K=1,000, M=1,000,000.
2. All resistance rated wattages are 1/6W unless otherwise noted.
3. Excepting electrolytic capacitors, all capacitance values of less than 1 are expressed in μF and more than 1 are pF.
4. All capacitance rated voltages are 50V unless otherwise noted.
5. All inductance values are in μH.
6. Voltage readings taken a digital voltmeter are from point indicated chassis ground. Voltage readings taken by using a colour bar signal are with all controls at normal position. Some voltages may vary with signal strength.
7. Waveforms were taken with colour bar and controls adjusted for normal picture. Waveforms were taken by using a wide band oscilloscope and a low capacity probe.
8. This circuit diagram covers a basic or representative chassis only. There may be some components or partial circuit differences between the actual chassis and the circuit diagram. Parts marked ✪ may be different depending on the CRT type.
9. ■ Diode 1S1555 may be replaced with 1S2473, 1S2076 or DS472 unless otherwise noted.
■ Transistor 2SC536(Q,R,S), 2SC1740(Q,R,S), 2SC945A(Q,R,P) or 2SC1815(G,O,Y) unless otherwise noted.
■ Transistor 2SA608(E,F) may be replaced with 2SA933(Q,R), 2SA564(QA,RA), or 2SA1015(O,Y) unless otherwise noted.

**Note sui diagramma di circuito :**
1. Tutte i valori di resistenza sono in ohm, K=1,000, M=1,000,000.
2. Tutte le resistenze nominali watt sono di 1/6 a meno che sia specificato altrimenti.
3. Eccetto per i condensatori elettrolitici, tutti i valori di capacitanza di meno di sono espressi in μF, e di più di 1 sono in pF. I varoli di capacitanza elettrolitici sono in μF.
4. Tutti volt di capacitanza nominali sono di 50V a meno cha sia indicato altrimenti.
5. Tutti valori di induttanza sono in μH.
6. I valori letti del voltaggio presi con un digitale voltòmetro proven gono dal punto indicato sulla massa del chassis, i valori di voltaggio presi usando un segnale di barre colore sono con tutti i controlli alle loro posizioni normali ed il commutatore AFC in posizione "OFF". Il voltaggio puo variare con l'intensta del segnale.
7. Le forme di onda furono prese con il segnale di barre colore e i controlli regolati oppure le forme di onda di immagine normale furono prese usando un oscillatore a larga banda ed una sonda bassa capasità.
8. Rispetto a quando indicato su questo schema possono essere state introdotte delle modifiche.
9. ■ I diodo 1S1555 possono essere sostituti con 1S2473, 1S2076 oppure DS472 a meno che sia specificato altrimenti.
■ I transistori possono essere sostituti con 2SC536(Q,R,S), 2SC1740(Q,R,S), 2SC945A(Q,R,P) oppure 2SC1815(G,O,Y) a meno che sia specificato altrimenti.
■ Il transistore 2SA608(E,F) puo essere sostituito con 2SA933(Q,R), 2SA564(QA,RA), oppure 2SA1015(O,Y) a meno che sia specificato altrimenti.

**Expression of capacitance and resistance in circuit diagram.**
**Espressione di capacitanza resistanze nel diagramma di circuito.**

**Capacitance (Example)/Capacitanza (Esempio)**

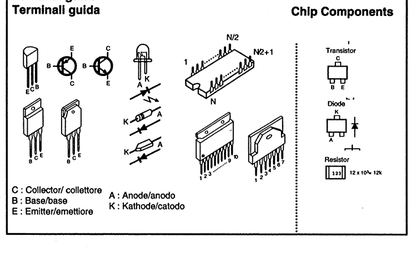
1000 C M 2000 D
- Characteristic/Caratteristici
- Capacitance value/Valore capacitanza (220pF)
- Tolerance/Errore di tolleranza (±20%) — J= ± 5%, K= ± 10%, M= ± 20%
- Kind(Ceramic)/Tipo (Ceramico) — T, A, U, D : Electrolytic/Elettrolitico; C, K, B : Ceramic/Ceramico; F : Mylar film/Film Mylar; M, N : Polypropylene/Polipropilene; Z : Metallized paper/Carta metalizata
- Rated voltage/Nominali volt(1,000V)

**Resistance (Example)/Resistanze (Esempio)**

1/2 N J 1.2
- Resistance value/Valore resistanza (1.2Ω)
- Tolerance/Errore di tolleranza (±5%) — D : Carbon/Carbone; N : Metallized carbon/Carbone metalizzato; S : Oxide metallized/Ossido metalizzato; W : Wire wounding/Avvolgimento di fili; C : Solid/Solido
- Kind (M.carbon)/Tipo (carbone metallizato)
- Rated wattage/Nominali watt(1/2W)

**Terminal guide**
**Terminali guida**

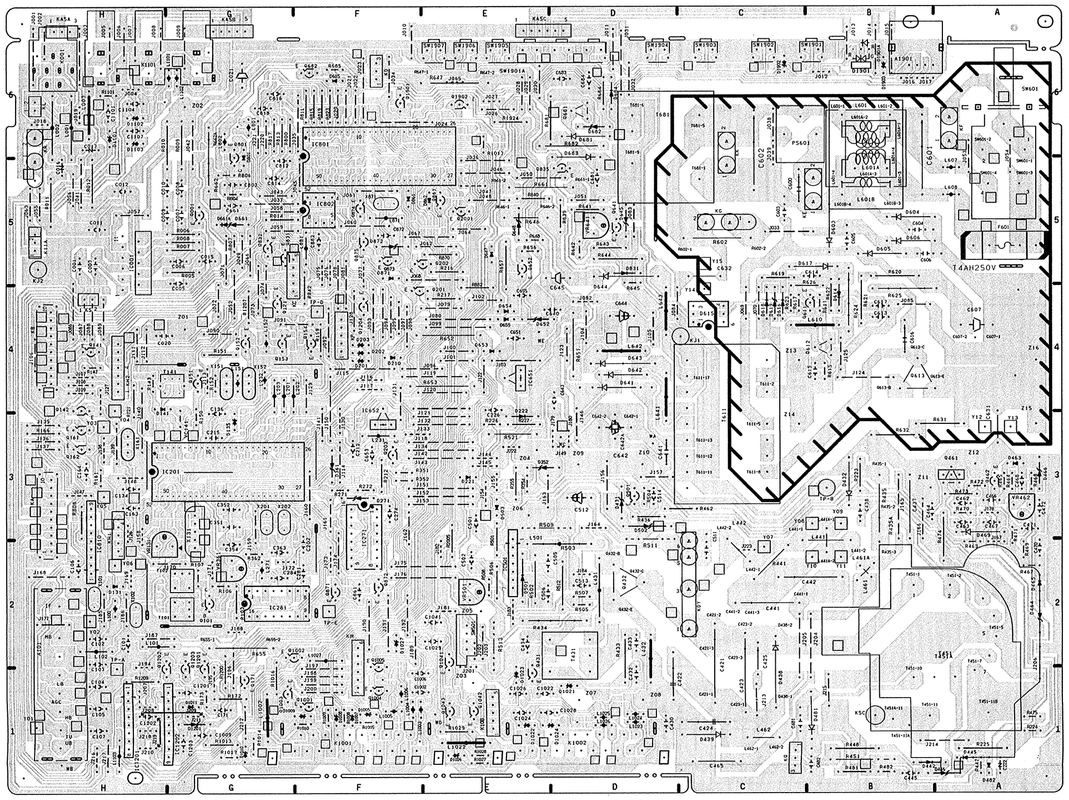
**Chip Components**

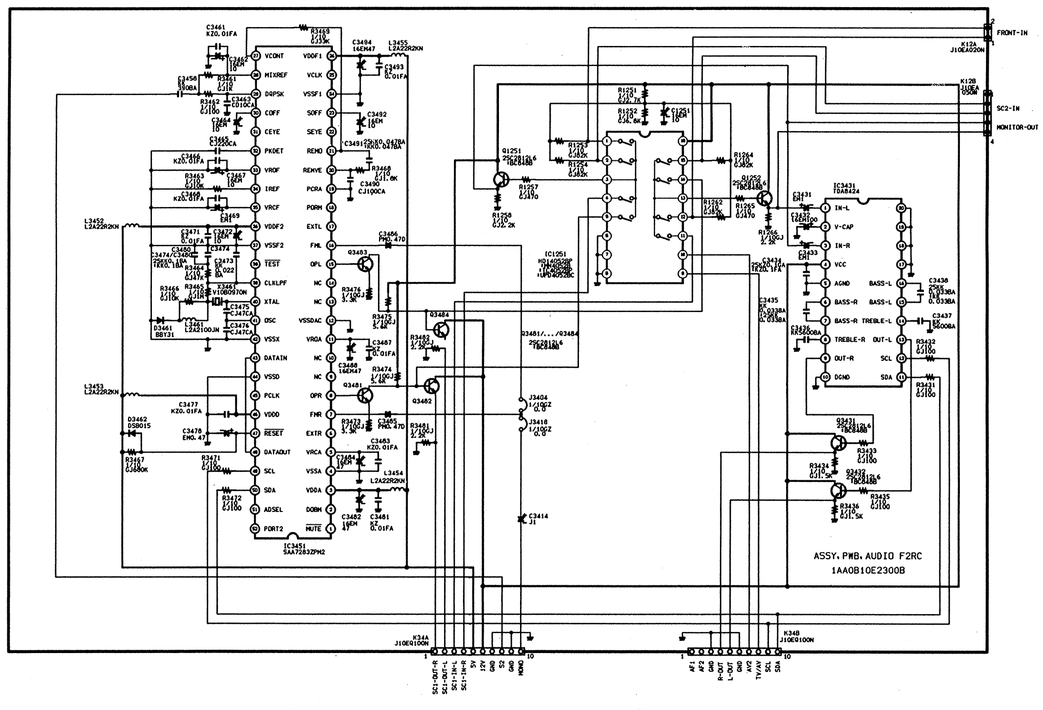



C : Collector/ collettore
B : Base/base
E : Emitter/emettiore
A : Anode/anodo
K : Kathode/catodo

# COMPONENT LOCATION

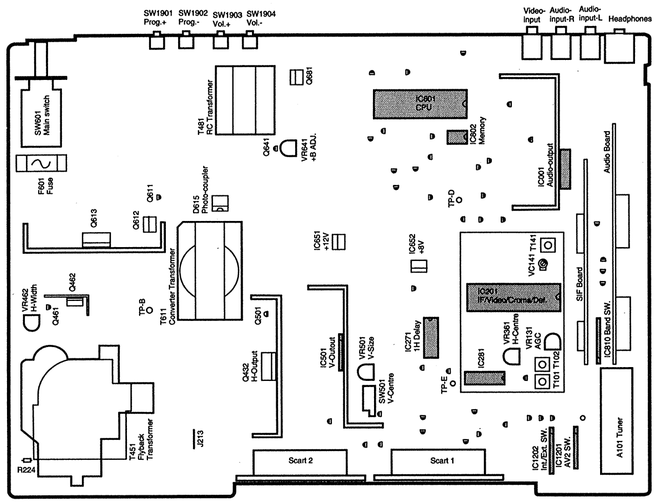
## Main Board



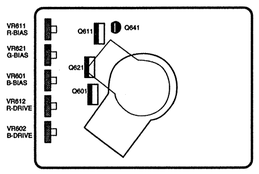




# COMPONENT LOCATION

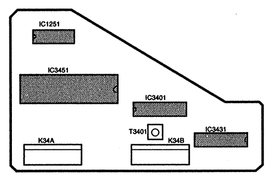
## Main Board



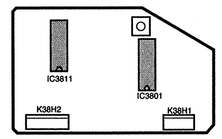

## CRT Board




## Audio Borad

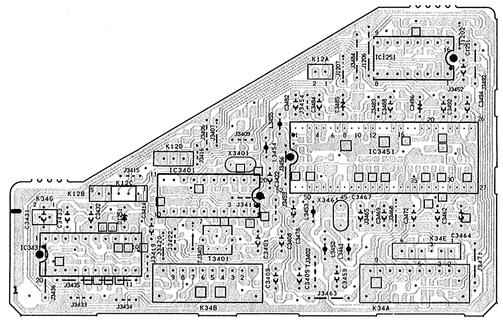



## SIF Board

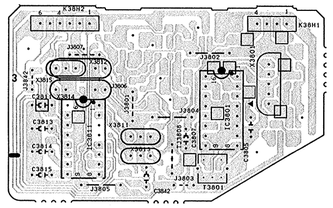



# COMPONENT LOCATION

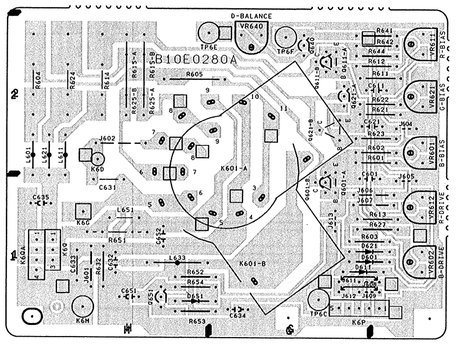
## Audio Borad




## SIF Board




## CRT Board




# GENERAL BLOCK DIAGRAM FOR EB4 CHASSIS